Product Datasheet

Calponin 1 Antibody (CALP) - IHC-Prediluted NBP2-48184

Unit Size: 7 ml

Store at 4C.

www.novusbio.com

technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NBP2-48184

Updated 10/23/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NBP2-48184



NBP2-48184

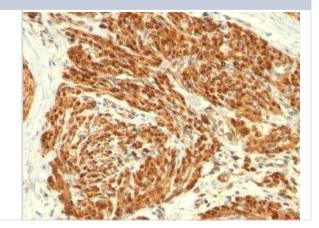
Calponin 1 Antibody (CALP) - IHC-Prediluted

Product Information Unit Size 7 ml Concentration Please see the vial label for concentration. If unlisted please contact technical services. Storage Store at 4C. Clonality Monoclonal Clone CALP Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form and a 29kDa form. Expression of the 29kDa form, Leaponin, is primarily restricted to muscle of the urogenital ant obcy reacts with only the 34kDa form and a 29kDa form. Expression of the 29kDa form, Leaponin, is primarily restricted to muscle of the urogenital ant obcy reacts with only the 34kDa form and a 29kDa form. Expression of the 29kDa form, Leaponini is a calmodulin, F-actin and troponyonis binding		
ConcentrationPlease see the vial label for concentration. If unlisted please contact technical services.StorageStore at 4C.ClonalityMonoclonalCloneCALPPreservative0.05% Sodium AzideIsotypeIgG1 KappaPurityProtein A or G purifiedBuffer10 mM PBS with 0.05% BSATarget Molecular Weight34 kDaProduct DescriptionThe prediluted antibody does not require any mixing, dilution, reconstitution, or tritration; the antibody is ready-to-use and optimized for staining.HostMouseGene ID1264Gene SymbolCNN1SpeciesHuman, RatMarkerSmooth Muscle MarkerSpecificity/SensitivityMultiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 28kDa form. Expression of tre 28kDa form. Leaptonin, is primarily restricted to muscle of the urgenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Vestern blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in sertacts of human andri measticated to muscle of the urgenitation of developini is a calmodulin, F-actin and tropomysin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin is a calmodulin, F-actin and tropomysin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle.Immunofiest	Product Information	
services.StorageStore at 4C.ClonalityMonoclonalCloneCALPPreservative0.05% Sodium AzideIsotypeIgG1 KappaPurityProtein A or G purifiedBuffer10 mM PBS with 0.05% BSATarget Molecular Weight34 kDaProduct DescriptionThe prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.HostMouseGene ID1264Gene SymbolCNN1SpeciesHuman, RatMarkerSmooth Muscle MarkerSpecificity/SensitivityMultiple isoelectric variants of calponin have been identified, however only two avacular and visceral smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of unuan and tic medial smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of unuan and tic medial smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of unuan and tic medial smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of unuan and tic medial smooth muscle and is unreactive with fibroblast extracts of unuman of tract, whereas the higher molecular weight weight has been demonstrated in vascular and visceral smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form f-reatin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle contra	Unit Size	7 ml
Clonality Monoclonal Clone CALP Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isolenctic variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of numan aortic medial smooth muscle. Subon in extracts of human anortic medial smooth muscle with only the stab form one calponin in extracts of numan anortic medial smooth muscle. Inmunogen Crude human uterus extract Product Application Details	Concentration	•
Clone CALP Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form. L-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form and a 29kDa form. Expression of the 29kDa form of calponin in extracts of numan aortic medial smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of cultivated to ruscle contraction. Calponin structure weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of cultivated to vascular and visceral smooth muscle. In Western blotting, this monoclonal antibod	Storage	Store at 4C.
Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form. I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight wortant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody rescision is restricted to smooth muscle contraction, Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin is setsricted to smooth muscle contraction, Calponin expression is restricted to smooth muscle contraction. Calponin is a calmodulin	Clonality	Monoclonal
Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoform sexist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight usarian has been demonstrated in vascular and visceral smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form of alponin in extracts of human aortic medial smooth muscle. In Western bloting, this monoclonal antibody reacts with only the 34kDa form of alponin in extracts of human aortic medial smooth muscle. Immunogen Crude human uterus extract Product Application Details Immunohistochemistry. Immunohistochemistry-Paraffin Recommended Dilutions Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissues sections in TMM EDTA, pH 7.5-	Clone	CALP
Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of huma notic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin expression is restricted to smooth muscle contraction. Calponin expression is restricted to smooth muscle contraction. Calponin expression is nestricted to smooth muscle and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle. Immunogen Crude human uterus extract Product Application Details Immunohistochemistry. Immunohistochemistry-Paraffin Recommended Dilutions Immun	Preservative	0.05% Sodium Azide
Buffer 10 mM PBS with 0.05% BSA Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of ultivated human foreskin. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle. Immunogen Crude human uterus extract Product Application Details Immunohistochemistry, Immunohistochemistry-Paraffin Recommended Dilutions Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires hequires heating use sections in 1mM EDTA, pH 7.5 a. 5, for 45 min at 95C	Isotype	IgG1 Kappa
Target Molecular Weight 34 kDa Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, 1-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight isoforms exist; a one constrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in a tracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of numan aortic medial smooth muscle and is unreactive with fibroblast extracts of numan aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle. Immunogen Crude human uterus extract Product Application Details Immunohistochemistry, Immunohistochemistry-Paraffin Applications Immunohistochemistry (Forma	Purity	Protein A or G purified
Product Description The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. Host Mouse Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, 1-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight isoforms exist; a one demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle. Immunogen Crude human uterus extract Product Application Details Immunohistochemistry, Immunohistochemistry-Paraffin Recommended Dilutions Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5-8.5, for 45 min at 95C followed by cooling at RT for 20 minutes. <th>Buffer</th> <th>10 mM PBS with 0.05% BSA</th>	Buffer	10 mM PBS with 0.05% BSA
DescriptionThe prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.HostMouseGene ID1264Gene SymbolCNN1SpeciesHuman, RatMarkerSmooth Muscle MarkerSpecificity/SensitivityMultiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist, a 34kDa form and a 29kDa form. Expression of the 29kDa form. I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle.ImmunogenCrude human uterus extractProduct Application DetailsImmunohistochemistry, Immunohistochemistry-Paraffin Recommended DilutionsApplicationsImmunohistochemistry, Immunohistochemistry-ParaffinApplication NotesImmunohistochemistry, Corumin-fixed): 1-20y On inutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Target Molecular Weight	34 kDa
HostMouseGene ID1264Gene SymbolCNN1SpeciesHuman, RatMarkerSmooth Muscle MarkerSpecificity/SensitivityMultiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin extractImmunogenCrude human uterus extractProduct Application Details ApplicationsImmunohistochemistry, Immunohistochemistry-ParaffinRecommended DilutionsImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1M EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Product Description	
Gene ID 1264 Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle. Immunogen Crude human uterus extract Product Application Details Immunohistochemistry, Immunohistochemistry-Paraffin Recommended Dilutions Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Description	
Gene Symbol CNN1 Species Human, Rat Marker Smooth Muscle Marker Specificity/Sensitivity Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle. Immunogen Crude human uterus extract Product Application Details Immunohistochemistry, Immunohistochemistry-Paraffin Recommended Dilutions Immunohistochemistry, Immunohistochemistry-Paraffin Application Notes Immunohistochemistry (formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5-8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Host	Mouse
SpeciesHuman, RatMarkerSmooth Muscle MarkerSpecificity/SensitivityMultiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, 1-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle.ImmunogenCrude human uterus extractProduct Application DetailsImmunohistochemistry, Immunohistochemistry-Paraffin Recommended DilutionsApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Gene ID	1264
MarkerSmooth Muscle MarkerSpecificity/SensitivityMultiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle.ImmunogenCrude human uterus extractProduct Application DetailsImmunohistochemistry, Immunohistochemistry-ParaffinApplicationsImmunohistochemistry, Immunohistochemistry-ParaffinApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Gene Symbol	CNN1
Specificity/SensitivityMultiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle.ImmunogenCrude human uterus extractProduct Application DetailsImmunohistochemistry, Immunohistochemistry-ParaffinApplicationsImmunohistochemistry, Immunohistochemistry-ParaffinApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Species	Human, Rat
molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of numan aortic medial smooth muscle and is unreactive with fibroblast extracts of numan aortic contraction. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle.ImmunogenCrude human uterus extractProduct Application DetailsImmunohistochemistry, Immunohistochemistry-ParaffinApplicationsImmunohistochemistry, Immunohistochemistry-ParaffinApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Marker	Smooth Muscle Marker
Product Application DetailsApplicationsImmunohistochemistry, Immunohistochemistry-ParaffinRecommended DilutionsImmunohistochemistry, Immunohistochemistry-ParaffinApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Specificity/Sensitivity	molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this monoclonal antibody reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of
ApplicationsImmunohistochemistry, Immunohistochemistry-ParaffinRecommended DilutionsImmunohistochemistry, Immunohistochemistry-ParaffinApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Immunogen	Crude human uterus extract
Recommended DilutionsImmunohistochemistry, Immunohistochemistry-ParaffinApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Product Application Details	
Application NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.	Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
	Application Notes	of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5- 8.5, for 45 min at 95C followed by cooling at RT for 20 minutes.



Images

Immunohistochemistry-Paraffin: Calponin 1 Antibody (CALP) - IHC-Prediluted [NBP2-48184] - Formalin-fixed, paraffin-embedded human Uterus stained with Calponin-1 Mouse Monoclonal Antibody (CALP).



www.novusbio.com





Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

Products Related to NBP2-48184

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-98945-100ug	Recombinant Human Calponin 1 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-48184

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

