

Product Datasheet

Caldesmon/CALD1 Antibody (rCALD1/820) - Azide and BSA Free **NBP3-08326**

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 7/16/2024 v.20.1

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NBP3-08326

Caldesmon/CALD1 Antibody (rCALD1/820) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	rCALD1/820
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

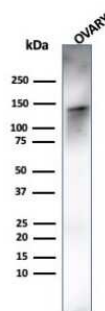
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07367). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	800
Gene Symbol	CALD1
Species	Human
Reactivity Notes	Does not react with rat. Others not known.
Marker	Smooth Muscle Marker
Specificity/Sensitivity	Recognizes a protein of 150kDa, which is identified as the high molecular weight variant of Caldesmon. Two closely related variants of human caldesmon have been identified which are different in their electrophoretic mobility and cellular distribution. The h-caldesmon variant (120 150kDa) is predominantly expressed in smooth muscle whereas l-caldesmon (70 80kDa) is found in non- muscle tissue and cells. Neither of the two variants has been detected in skeletal muscle. This monoclonal antibody recognizes only the 150kDa variant (h-caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin. Caldesmon is a developmentally regulated protein involved in smooth muscle and non-muscle contraction.
Immunogen	Recombinant full-length human Caldesmon/CALD1 protein (Uniprot: Q05682)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25-0.5 ug/ml
Application Notes	Immunohistology Formalin-fixed: 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

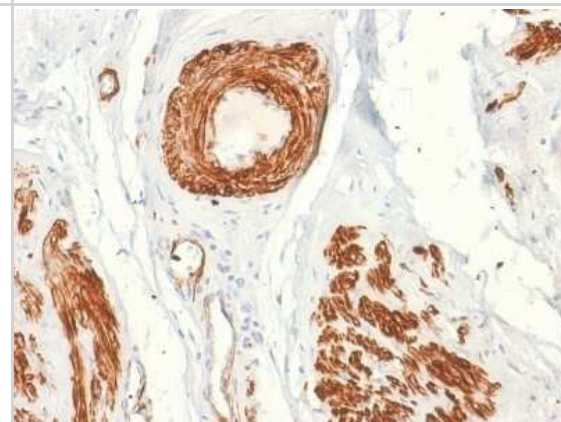


Images

Western Blot: Caldesmon/CALD1 Antibody (rCALD1/820) - Azide and BSA Free [NBP3-08326] - Western Blot Analysis of human ovary tissue lysate using Caldesmon/CALD1 Mouse Recombinant Monoclonal Antibody (rCALD1/820).



Immunohistochemistry-Paraffin: Caldesmon/CALD1 Antibody (rCALD1/820) - Azide and BSA Free [NBP3-08326] - Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with Caldesmon/CALD1 Mouse Recombinant Monoclonal Antibody (rCALD1/820).





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Products Related to NBP3-08326

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)
H00000800-P01-10ug	Recombinant Human Caldesmon/CALD1 GST (N-Term) 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.

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