

Product Datasheet

TIMP-4 Antibody (9:4-7) - BSA Free NBP2-21658

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP2-21658

TIMP-4 Antibody (9:4-7) - BSA Free

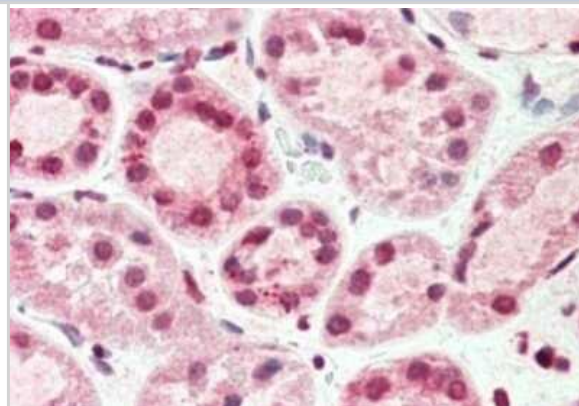
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9:4-7
Preservative	0.01% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This antibody was purified from clarified mouse ascetic fluid by Protein A chromatography followed by extensive dialysis against the buffer stated above</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Mouse
Gene ID	7079
Gene Symbol	TIMP4
Species	Human
Reactivity Notes	A BLAST analysis was used to suggest cross-reactivity with TIMBIM 1 from human and mouse sources based on the immunizing sequence. Cross-reactivity with TIMP-4 from other sources has not been determined.
Specificity/Sensitivity	TIMP-4 antibody is specific for human TIMP-4 protein. This antibody reacts with human TIMP-4 in tissue sections of formalin-fixed, paraffin-embedded In ELISAs and Native-PAGE, this antibody does not cross-react with recombinant human TIMP-1, -2 or -3. A BLAST analysis was used to suggest cross-reactivity with TIMP-4 from human and mouse sources based on the immunizing sequence. Cross-reactivity with TIMP-4 from other sources has not been determined.
Immunogen	TIMP-4 Antibody (9:4-7) was produced in mouse by repeated immunizations with full length human TIMP-4 protein followed by hybridoma development. (Uniprot: Q99727)

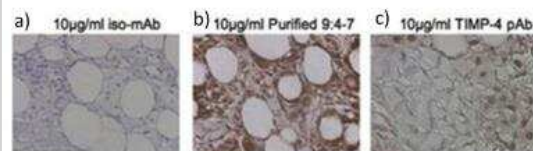
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000-1:10000, ELISA 1:20000-1:100000, Immunohistochemistry 5-10ug/ml, Immunohistochemistry-Paraffin 5-10 ug/ml
Application Notes	This product has been tested for use in ELISA, Native - Western, and IHC (P). SDS-PAGE - Western Blot not useful for endogenous detection. Specific conditions for reactivity should be optimized by the end user.

Images

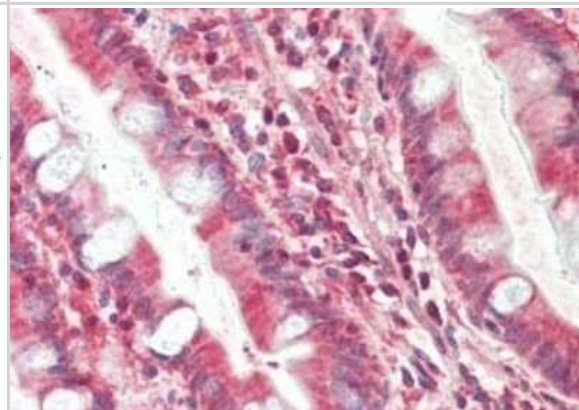
Immunohistochemistry: TIMP-4 Antibody (9.4-7) [NBP2-21658] - Tissue: kidney. Fixation: formalin fixed paraffin embedded. Primary antibody: anti-TMIP4 antibody at 10 ug/mL for 1 h at RT. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Staining: TMIP4 as precipitated red signal with hematoxylin purple nuclear counterstain.



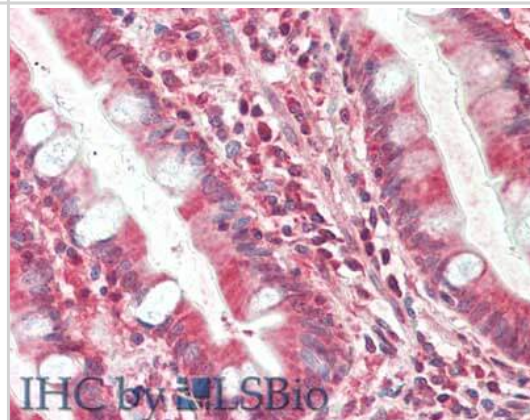
Immunohistochemistry-Paraffin: TIMP-4 Antibody (9.4-7) [NBP2-21658] - Mouse Anti-TIMP-4 Antibody. Tissue: human breast carcinoma. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. a) isotype specific IgG2bk monoclonal; b) TIMP-4 antibody ; and c) TIMP-4 each at 10 ug/mL. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Localization: TIMP-4 is secreted. Staining: TIMP-4 as precipitated brown signal.



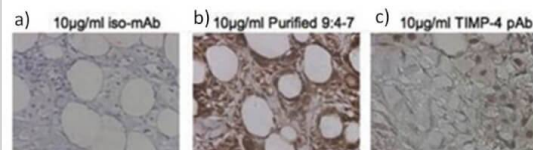
Immunohistochemistry: TIMP-4 Antibody (9.4-7) [NBP2-21658] - Tissue: small intestine. Fixation: formalin fixed paraffin embedded. Primary antibody: anti-TIMP4 antibody at 10 ug/mL for 1 h at RT. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Staining: TIMP4 as precipitated red signal with hematoxylin purple nuclear counterstain.



Immunohistochemistry of TIMP-4 Antibody (9:4-7). Tissue: human small intestine. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-TIMP4 antibody at 10 ug/mL for 1 h at RT. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Staining: TIMP4 as precipitated red signal with hematoxylin purple nuclear counterstain.



Immunohistochemistry of Mouse Anti-TIMP-4 Antibody (9:4-7). Tissue: human breast carcinoma. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: a) isotype specific IgG2bk monoclonal; b) monoclonal TIMP-4 antibody (clone 9:4-7); and c) polyclonal TIMP-4, each at 10 ug/mL. Secondary antibody: Peroxidase secondary antibody at 1:10,000 for 45 min at RT. Localization: TIMP-4 is secreted. Staining: TIMP-4 as precipitated brown signal.



Publications

Donover PS, Wojciechowski BS, Thirumaran R et al. Development of a monoclonal antibody that specifically detects tissue inhibitor of metalloproteinase-4 (TIMP-4) in formalin-fixed, paraffin-embedded human tissues. *J Cell Biochem* 2010-08-01 [PMID: 20564221]



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
210-TA-005	TNF-alpha [Unconjugated]

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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