

Rabbit anti-Human, mouse TIMP4 Polyclonal Antibody | anti-TIMP4 antibody

TIMP4 Antibody (Center)

CATALOG # AAA287300	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

TIMP4; Polyclonal Antibody; TIMP4 Antibody (Center); Metalloproteinase inhibitor 4; Tissue inhibitor of metalloproteinases 4; TIMP-4; anti-TIMP4 antibody

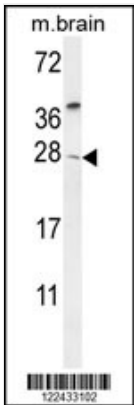
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TIMP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-74 amino acids from the Central region of human TIMP4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	48-74
Sequence Length	224
Applicable Applications for anti-TIMP4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

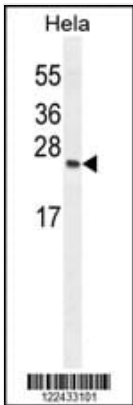
IMAGES



IHC (Immunohistochemisry)
TIMP4 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TIMP4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TIMP4 Antibody (Center) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the TIMP4 antibody detected the TIMP4 protein (arrow).



WB (Western Blot)
TIMP4 Antibody (Center) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the TIMP4 antibody detected the TIMP4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TIMP4 antibody	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling.
Product Categories/Family for anti-TIMP4 antibody	Cancer; Cardiovascular; Cell biology
References	Nalpas, B., et al. Gut 59(8):1120-1126(2010) Bailey, S.D., et al. Diabetes Care (2010) In press : Wojciechowski, R., et al. Invest. Ophthalmol. Vis. Sci. (2010) In press : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Liss, M., et al. Am. J. Pathol. 175(3):940-946(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507515
NCBI GeneID	7079

NCBI Accession #	NP_003247.1
NCBI GenBank Nucleotide #	NM_003256.3
UniProt Accession #	Q99727; B2R7K6
Molecular Weight	25503
NCBI Official Full Name	metalloproteinase inhibitor 4
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 4
NCBI Official Symbol	TIMP4
NCBI Protein Information	metalloproteinase inhibitor 4
UniProt Protein Name	Metalloproteinase inhibitor 4
UniProt Gene Name	TIMP4
UniProt Synonym Gene Names	TIMP-4
UniProt Entry Name	TIMP4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/timp4-antibody-immunohistochemistry-western-blot-elisa/287300>