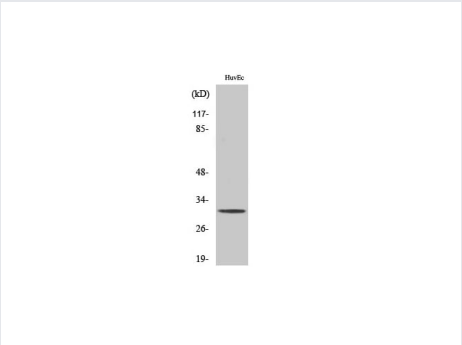
TIMP-3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TIMP-3, Polyclonal Antibody
Full Product Name	TIMP-3 Polyclonal Antibody
Product Gene Name	anti-TIMP-3 antibody
Product Synonym Names	TIMP3; Metalloproteinase inhibitor 3; Protein MIG-5; Tissue inhibitor of metalloproteinases 3; TIMP-3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen Affinity Purified
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 24 Observed MW: 25
OMIM	136900
Immunogen	Synthesized peptide derived from the Internal region of human TIMP-3.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Product Categories/Family for anti-TIMP-3 antibody	Cancer; Cell biology; Epigenetics
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TIMP-3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TIMP-3 antibody	WB: 1:500-1:2000, ELISA: 1:5000-1:20000
Related Product Information for anti-TIMP-3 antibody	MBS2536780 is an antibody targeting TIMP-3. Also known as TIMP-3 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-TIMP-3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TIMP-3 antibody
Western Blot analysis of various cells using TIMP-3 Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIMP-3. It may not necessarily be applicable to this product.

NCBI GI #	998826
NCBI GeneID	7078
NCBI Accession #	AAB34532.1
UniProt Secondary Accession #	Q5THV4; Q9UC74; Q9UGS2; B2RBY9
UniProt Related Accession #	P35625
NCBI Official Full Name	TIMP-3
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 3
NCBI Official Symbol	TIMP3
NCBI Official Synonym Symbols	SFD; K222; K222TA2; HSMRK222
UniProt Protein Name	Metalloproteinase inhibitor 3
UniProt Synonym Protein Names	Protein MIG-5; Tissue inhibitor of metalloproteinases 3; TIMP-3
Protein Family	Metalloproteinase inhibitor
UniProt Gene Name	TIMP3
UniProt Synonym Gene Names	TIMP-3
UniProt Entry Name	TIMP3_HUMAN
NCBI Protein Information	metalloproteinase inhibitor 3
NCBI Summary for TIMP-3	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 (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008]

UniProt Comments for TIMP-3	TIMP3: Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15. Interacts with EFEMP1. Belongs to the protease inhibitor I35 (TIMP) family. Protein type: Secreted, signal peptide; Motility/polarity/chemotaxis; Secreted Chromosomal Location of Human Ortholog: 22q12.3 Cellular Component: basement membrane; cytoplasm; extracellular matrix; extracellular space; nucleus; proteinaceous extracellular matrix Molecular Function: metal ion binding; metalloendopeptidase inhibitor activity; protease binding; protein binding Biological Process: aging; central nervous system development; negative regulation of membrane protein ectodomain proteolysis; negative regulation of metalloenzyme activity; response to estrogen stimulus; response to folic acid; response to mechanical stimulus; response to organic substance; tissue regeneration; visual perception Disease: Fundus Dystrophy, Pseudoinflammatory, Of Sorsby
Research Articles on TIMP-3	**1.** Results suggest that gene-environment interactions between the TIMP3 rs9862 polymorphisms and betel quid may alter oral cancer susceptibility and tumor growth in Taiwanese men.
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