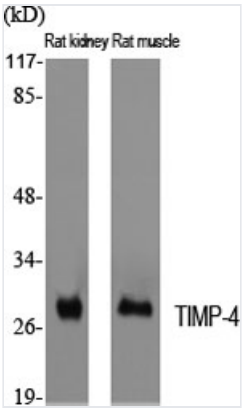
TIMP-4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TIMP-4, Polyclonal Antibody
Full Product Name	TIMP-4 Polyclonal Antibody
Product Gene Name	anti-TIMP-4 antibody
Product Synonym Names	TIMP4; Metalloproteinase inhibitor 4; Tissue inhibitor of metalloproteinases 4; TIMP-4
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	TIMP-4 Polyclonal Antibody detects endogenous levels of TIMP-4 protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	25,503 Da
OMIM	601915
3D Structure	ModBase 3D Structure for Q99727
Immunogen Type	peptide
Immunogen Description	Synthesized peptide derived from the C-terminal region of human TIMP-4.
Target Name	TIMP-4
Product Categories/Family for anti-TIMP-4 antibody	Total protein Ab
Applications Tested/Suitable for anti-TIMP-4 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-TIMP-4 antibody	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:100 - 1:300 ELISA: 1:20000 Not yet tested in other applications.
Related Product Information for anti-TIMP-4 antibody	MBS9403863 is an antibody targeting TIMP-4. Also known as TIMP-4 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-TIMP-4 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-4 antibody
Western Blot analysis of RAT-KIDNEY RAT-MUSCLE cells using TIMP-4 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIMP-4. It may not necessarily be applicable to this product.

NCBI GI #	4507515
NCBI GeneID	7079
NCBI Accession #	NP_003247.1
UniProt Primary Accession #	Q99727
UniProt Secondary Accession #	B2R7K6
UniProt Related Accession #	Q99727
GenBank Nucleotide #	NM_003256.3
NCBI Official Full Name	metalloproteinase inhibitor 4
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 4
NCBI Official Symbol	TIMP4
UniProt Protein Name	Metalloproteinase inhibitor 4
UniProt Synonym Protein Names	Tissue inhibitor of metalloproteinases 4; TIMP-4
Protein Family	Metalloproteinase inhibitor
UniProt Gene Name	TIMP4
UniProt Synonym Gene Names	TIMP-4
UniProt Entry Name	TIMP4_HUMAN
NCBI Protein Information	metalloproteinase inhibitor 4
NCBI Summary for TIMP-4	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. [provided by RefSeq, Jul 2008]

UniProt Comments for TIMP-4	TIMP4: Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7 and MMP- 9. Belongs to the protease inhibitor I35 (TIMP) family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 3p25 Cellular Component: proteinaceous extracellular matrix; extracellular space; sarcomere Molecular Function: metalloendopeptidase inhibitor activity; protease binding; metal ion binding Biological Process: response to drug; response to peptide hormone stimulus; negative regulation of metalloenzyme activity; ovulation cycle; central nervous system development; response to cytokine stimulus; response to hormone stimulus; response to lipopolysaccharide; negative regulation of membrane protein ectodomain proteolysis
Research Articles on TIMP-4	**1.** No evidence was found for any associations between the TIMP-1,-2,-3, or -4 gene single nucleotide polymorphisms with unexplained recurrent spontaneous abortions in this Han Chinese Han population.
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