

Rabbit TIMP-4 Polyclonal Antibody | anti-TIMP-4 antibody

Rabbit anti TIMP-4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71348	Rabbit	Human, Rat, Mouse, Bovine	Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

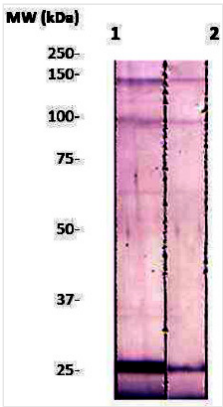
PRODUCT SYNONYMS

TIMP-4; Polyclonal Antibody; Rabbit anti TIMP-4 Polyclonal Antibody; TIMP metallopeptidase inhibitor 4; anti-TIMP-4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Bovine
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody recognizes ~25 kDa of human TIMP-4 protein. This antibody reacts with human, rat, mouse. The other species are not tested.
Purity/Purification	Purified by Epitope Affinity Purification
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Applicable Applications for anti-TIMP-4 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Preparation	A synthetic peptide corresponding to C-term of human TIMP-4. This sequence is identical among human, rat, mouse, chicken, dog and bovine.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2 degree C - 8 degree C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



WB (Western Blot)
Western Blot: The cell lysate derived from astrocytoma (SW-1783) was resolved onto 12% SDS-PAGE, transferred onto NC membrane, and immunoprobed by Rabbit anti-TIMP-4 (AAA71348) at 1:500. An immunoreactive band is observed around ~25 kDa (1). This band is abolished by pre-incubation with immunizing peptide (2).

ADDITIONAL INFORMATION

Related Product Information for anti-TIMP-4 antibody	Tissue Inhibitors of Metalloproteinases (TIMPs) inhibit the proteolytic invasiveness of tumor cells and normal placental trophoblast cells. TIMPs comprise a family of four members: TIMP1, 2, 3, 4. TIMP-1 and TIMP-2 have similar properties, while TIMP-3 and TIMP-4 are involved inflammation-induced apoptosis and in matrix turnover. TIMP-4 is overexpressed in pilocytic astrocytomas, cardiovascular tissue areas populated by abundant inflammatory cells, human blood derived lymphocytes, monocytes/macrophages and mast cells. The TIMP-4 and its putative partner CD63 are potential markers of the astroctic phenotype in patients with gliomas.
References	Rorive, S., et al. TIMP-4 and CD63: new prognostic biomarkers in human astrocytomas. Mod. Pathol. 23 (10), 1418-1428 (2010).

NCBI AND UNIPROT INFORMATION

NCBI GI #	296474656
NCBI GeneID	317694
Molecular Weight	25.0
NCBI Official Full Name	TPA: 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

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.