

Product datasheet for **TA354938**

TIMP4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Rat, Mouse, Bovine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to C-term of human TIMP-4. This sequence is identical among human, rat, mouse, chicken, dog and bovine.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	TIMP metalloproteinase inhibitor 4
Database Link:	NP_003247 Entrez Gene 110595 Mouse Entrez Gene 680130 Rat Entrez Gene 7079 Human Q99727
Background:	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 in 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 astrocytic phenotype in patients with gliomas.



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Synonyms: TIMP metalloproteinase inhibitor 4; tissue inhibitor of metalloproteinase 4

Protein Families: Druggable Genome, Secreted Protein

Product images:



WB: The cell lysate derived from astrocytoma (SW1783) was resolved onto 12% SDS-PAGE, transferred onto NC membrane, and immunoprobed by Rabbit anti-TIMP-4 at 1:500. An immunoreactive band is observed around ~25 kDa (1). This band is abolished by preincubation with immunizing peptide (2).