

TIMP2 Rabbit mAb

Catalog No: #49494

Package Size: #49494-1 50ul #49494-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

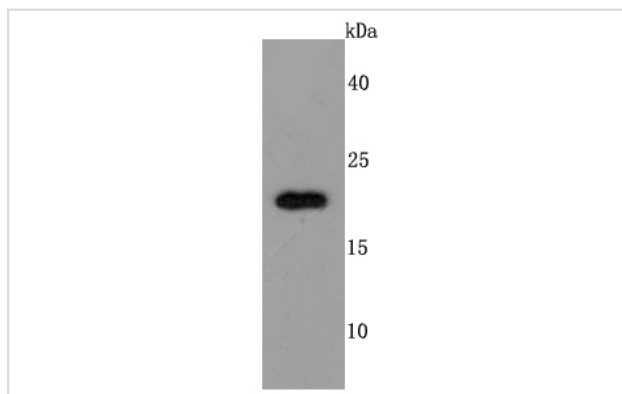
Description

Product Name	TIMP2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM87-10
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	CSC 21K antibody CSC-21K antibody CSC21K antibody Metalloproteinase inhibitor 2 antibody Metalloproteinase inhibitor 2 precursor antibody TIMP 2 antibody TIMP metalloproteinase inhibitor 2 antibody TIMP-2 antibody TIMP2 antibody TIMP2_HUMAN antibody Tissue Inhibitor of Metalloproteinase 2 antibody Tissue inhibitor of metalloproteinases 2 antibody
Accession No.	Swiss-Prot#:P16035
Uniprot	P16035
GeneID	7077;
Calculated MW	22 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

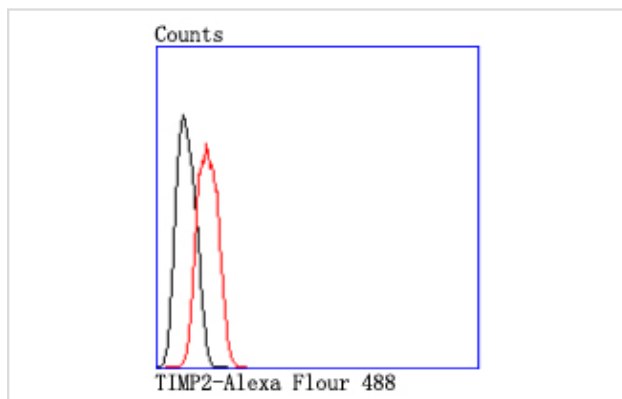
Application Details

WB: 1:500-1:2,000 FC: 1:10-1:50

Images



Western blot analysis of TIMP2 on K562 cells lysates using anti-TIMP2 antibody at 1/500 dilution.



Flow cytometric analysis of Hela cells with TIMP2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

TIMP-1, TIMP-2, TIMP-3 and TIMP-4 (for tissue inhibitor of metalloproteinases 1, 2, 3 and 4) complex with metalloproteinases such as collagenases, gelatin-ases and stromelysins, resulting in irreversible inactivation of the metallopro-teinase. TIMP-1 has been found to be identical to EPA (erythroid-potential activity). Parathyroid hormone has been shown to be a regulator of TIMP-2 in osteoblastic cells. TIMP-3 may be involved in regulating trophoblastic invasion of the uterus and remodeling of the extracellular matrix during the folding of epithelia, and in the formation, branching and expansion of epithelial tubes. TIMP-4 is most highly expressed in heart, with low levels expressed in liver, brain, lung, thymus and spleen.

References

Note: This product is for in vitro research use only