

Anti-TIMP1 Rabbit Monoclonal Antibody

Catalog # ABO13754

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P01033
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-TIMP1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

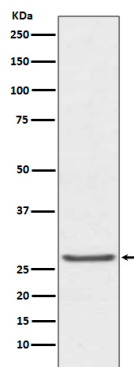
Additional Information

Gene ID	7076
Other Names	Metalloproteinase inhibitor 1, Erythroid-potentiating activity, EPA, Fibroblast collagenase inhibitor, Collagenase inhibitor, Tissue inhibitor of metalloproteinases 1, TIMP-1, TIMP1, CLGI, TIMP
Calculated MW	23171
Application Details	WB 1:100-1:500 IHC 1:50-1:200 ICC/IF 1:50-1:200
Subcellular Localization	Secreted.
Tissue Specificity	Detected in rheumatoid synovial fluid (at protein level)..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AAOD-20
Immunogen	A synthesized peptide derived from human TIMP1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	TIMP1
Synonyms	CLGI, TIMP
Function	Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14. Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling. Mediates erythropoiesis in vitro; but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.
Cellular Location	Secreted
Tissue Location	Detected in rheumatoid synovial fluid (at protein level).

Images



Western blot analysis of TIMP1 expression in human prostate cancer lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.