

Mouse TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody | anti-TIMP2 antibody

TIMP2 (Tissue Inhibitor of Metalloproteinase 2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215218	Mouse	Human, Mouse, Rat, Guinea Pig, Rabbit, Cow, Zebrafish	Immunohistochemistry

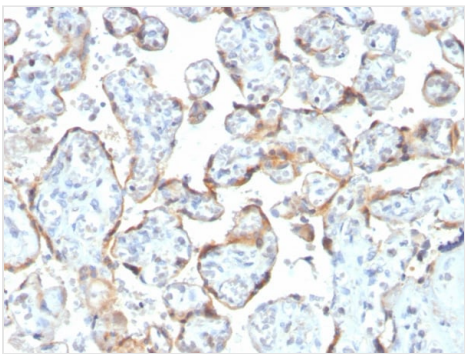
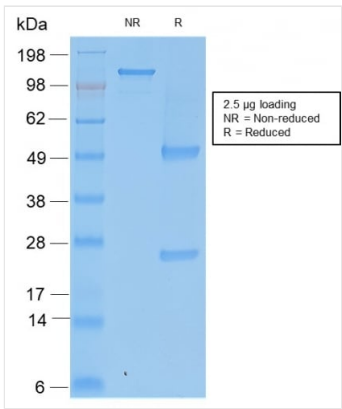
PRODUCT SYNONYMS

TIMP2 (Tissue Inhibitor of Metalloproteinase 2); Metalloproteinase inhibitor 2; TIMP metallopeptidase inhibitor 2; TIMP-2; TIMP2; Tissue Inhibitor of Metalloproteinase 2; anti-TIMP2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Guinea Pig, Rabbit, Cow, Zebrafish
Isotype	IgG1, kappa
Clone Number	rTIMP2/2335
Specificity	It recognizes a protein of 21kDa, identified as tissue inhibitor of metalloproteinases-2 (TIMP-2). It is closely related to TIMP-1 and shows the highest binding affinity to both the latent (pro) and active forms of 72kDa Type IV collagenase (also known as MMP-2 or gelatinase A). It also has affinity for the active form of 92kDa Type IV collagenase (also known as MMP-9 or gelatinase B). TIMP-2 inhibits the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	220
Applicable Applications for anti-TIMP2 antibody	IHC (Immunohistochemistry)
Positive Control	HeLa cells. Normal Placenta. Breast, Colon, Endometrial, Prostate or Ovarian Carcinoma.
Immunogen	A synthetic peptide from the N-terminus of human TIMP2 protein (aa56-66) (DSGNDIYGNPI)
Cellular Localization	Cytoplasm and Cell Surface
Hu-chromosome Location	17q25
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with TIMP2 Mouse Recombinant Monoclonal Antibody (rTIMP2/2335).

SDS-PAGE
SDS-PAGE Analysis Purified TIMP2 Mouse Recombinant Monoclonal Antibody (rTIMP2/2335). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	1. Jeffery et al. 2009. Histopathology. 54(7):820-8. 2. Murray et al. 1998. Gut. 43(6):791-7.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507511
NCBI GeneID	7077
NCBI Accession #	NP_003246.1
NCBI GenBank Nucleotide #	NP_003246.1
UniProt Accession #	P16035
Molecular Weight	21kDa
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K
NCBI Protein Information	metalloproteinase inhibitor 2
UniProt Protein Name	Metalloproteinase inhibitor 2
UniProt Gene Name	TIMP2
UniProt Synonym Gene Names	TIMP-2
UniProt Entry Name	TIMP2_HUMAN

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.