

Product Datasheet

TIMP-2 Antibody (SPM356)

NBP2-53348-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-53348-100ug

TIMP-2 Antibody (SPM356)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM356
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	21 kDa

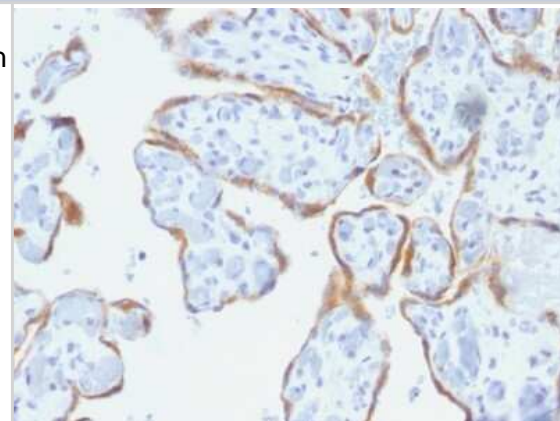
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54554) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	7077
Gene Symbol	TIMP2
Species	Human, Mouse, Rat, Bovine, Guinea Pig, Rabbit, Zebrafish
Specificity/Sensitivity	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.
Immunogen	A synthetic peptide from the N-terminus of human TIMP-2 protein (aa56-66) (DSGNDIYGNPI) (Uniprot: P16035)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Flow (Intracellular)
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.



Images

Immunohistochemistry-Paraffin: TIMP-2 Antibody (SPM356) [NBP2-53348] - Formalin-fixed, paraffin-embedded human Placenta stained with TIMP2 Monoclonal Antibody (SPM356).



Publications

Yu T, Xie X, Wei H et al. Electroacupuncture Improves Choroidal Blood Flow to Inhibit the Development of Lens-Induced Myopia in Guinea Pigs Evidence-Based Complementary and Alternative Medicine 2022-06-24 [PMID: 35783515] (WB, Guinea Pig)



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Products Related to NBP2-53348-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-61356-10ug	Recombinant Human TIMP-2 Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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