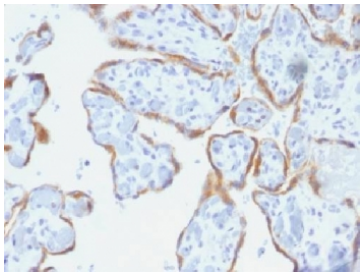
TIMP2 Antibody [clone SPM356] (V3376)

Catalog No.	Formulation	Size
V3376-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3376-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3376SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	SPM356
Purity	Protein G affinity chromatography
UniProt	P16035
Localization	Cytoplasmic, cell surface, secreted
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This TIMP2 antibody is available for research use only.



IHC testing of FFPE human placenta with TIMP2 antibody (clone SPM356). Required HIER: requires boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Description

It recognizes a protein of 21kDa, identified as tissue inhibitor of metalloproteinases 2 (TIMP2). It is closely related to TIMP1 and shows the highest binding affinity to both the latent (pro) and active forms of 72kDa Type IV collagenase (also

known as MMP2 or gelatinase A). It also has affinity for the active form of 92kDa Type IV collagenase (also known as MMP9 or gelatinase B). TIMP2 inhibits the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the TIMP2 antibody to be titered up or down for optimal performance.

Immunogen

An amino acid sequence from the N-terminal region of the human protein was used as the immunogen for this TIMP2 antibody.

Storage

Store the TIMP2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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