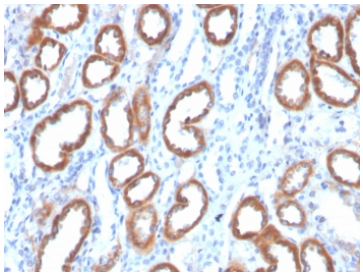
Thrombospondin-1 Antibody / THBS1 [clone THBS1/4532] (V4383)

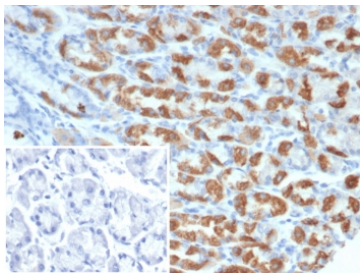
Catalog No.	Formulation	Size
V4383-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4383-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4383SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	THBS1/4532
Purity	Protein A/G affinity
UniProt	P07996
Localization	Cytoplasm, Membrane
Applications	ELISA: 2-4ug/ml for coating (order BSA-free format for coating) Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This Thrombospondin-1 antibody is available for research use only.



IHC staining of FFPE human kidney tissue with Thrombospondin-1 antibody (clone THBS1/4532). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human stomach tissue with Thrombospondin-1 antibody (clone THBS1/4532). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

The thrombospondin proteins (TSP 1-4) compose a family of glycoproteins that are involved in cell-to-cell and cell-to-matrix signaling. These extracellular, cell surface proteins form complexes of both homo- and heteromultimers. Thrombospondins play a role in development, aggregation of platelets, adhesion and migration of cells, and progression of cells through the growth cycle. Thrombospondin 1 is released from platelets in response to Thrombin stimulation and is a transient component of the extracellular matrix of developing and repairing tissues. Thrombospondin 2 shares a high degree of homology with Thrombospondin 1 and is thought to have overlapping but unique functions. Thrombospondin 3 is a developmentally regulated heparin binding protein. Thrombospondin 4 is neuronally expressed and stimulates neurite outgrowth.

Application Notes

Optimal dilution of the Thrombospondin-1 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 200-400) from the human protein was used as the immunogen for the Thrombospondin-1 antibody.

Storage

Aliquot the Thrombospondin-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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