

Thrombospondin-1 / THBS1 Antibody

Mouse Monoclonal Antibody [Clone THBS1/4532]

Catalog No	Format	Size
7057-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7057-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7057-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

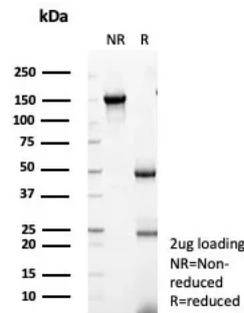
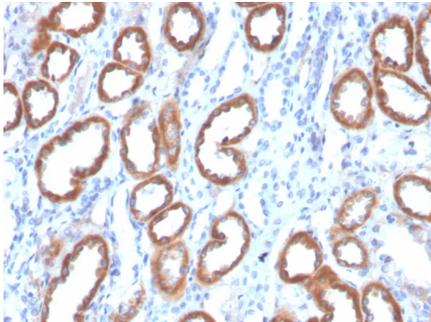
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	THBS1/4532
Gene Name	THBS1
Immunogen	Recombinant fragment (around aa 200-400) of human THBS1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~165-198kDa
Cellular Localization	Cytoplasm. Membrane.
Species Reactivity	Human
Positive Control	Human lymph node spleen stomach or colon.

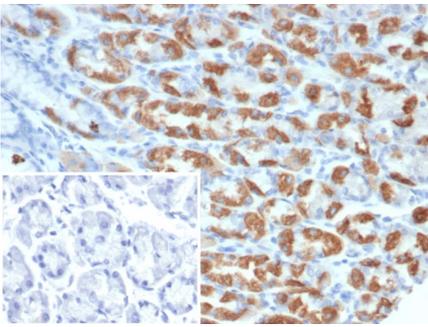
*Optimal dilution for a specific application should be determined.

Product Images for Thrombospondin-1 / THBS1 Antibody



Formalin-fixed, paraffin-embedded human kidney stained with Thrombospondin-1 / THBS1 Mouse Monoclonal Antibody (THBS1/4532). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

SDS-PAGE Analysis of Purified Thrombospondin-1 / THBS1 Mouse Monoclonal Antibody (THBS1/4532). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human stomach stained with Thrombospondin-1 / THBS1 Mouse Monoclonal Antibody (THBS1/4532). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Angiogenesis, Bladder Cancer, Cardiovascular, Complement System, Infectious Disease, Ovarian Cancer, Signal Transduction, Transcription Factors