



Thrombospondin 4 Monoclonal Antibody

Catalog No	YP-mAb-17072
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	THBS4
Protein Name	Thrombospondin-4
Immunogen	The antiserum was produced against synthesized peptide derived from human THBS4. AA range:561-610
Specificity	Thrombospondin 4 Monoclonal Antibody detects endogenous levels of Thrombospondin 4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:100-500;IF/ICC 1:100-500;ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	THBS4; TSP4; Thrombospondin-4
Observed Band	106kD
Cell Pathway	Endoplasmic reticulum . Sarcoplasmic reticulum . Secreted . Secreted, extracellular space . Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Heart,PNS,Synovium,
Function	function:Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Can bind to fibrinogen, fibronectin, laminin and type V collagen.,similarity:Belongs to the thrombospondin family.,similarity:Contains 1 TSP C-terminal (TSPC) domain.,similarity:Contains 1 TSP N-terminal (TSPN) domain.,similarity:Contains 4 EGF-like domains.,similarity:Contains 8 TSP type-3 repeats.,subunit:Homopentamer; disulfide-linked.,
Background	thrombospondin 4(THBS4) Homo sapiens The protein encoded by this gene belongs to the thrombospondin protein family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentamer and can bind to heparin and calcium. It is involved in local signaling in the developing and adult nervous system, and it contributes to spinal sensitization and neuropathic pain states. This gene is activated during the stromal response to invasive breast cancer. It may also play a role in inflammatory responses in Alzheimer's disease. Alternative splicing results in multiple



transcript variants. [provided by RefSeq, Apr 2015],

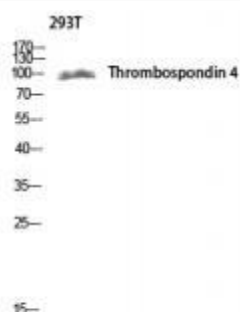
matters needing attention

Avoid repeated freezing and thawing!

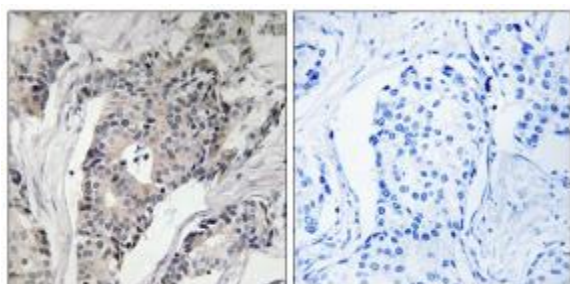
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of 293T lysis using Thrombospondin 4 antibody. Antibody was diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using THBS4 Antibody. The picture on the right is blocked with the synthesized peptide.