

## Thrombospondin 2 Polyclonal Antibody

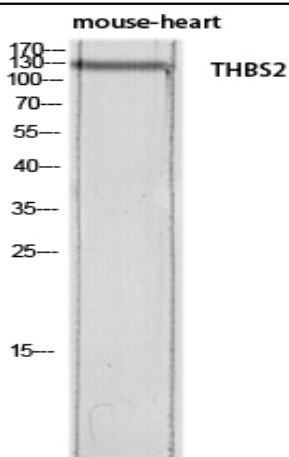
<b>Catalog No :</b>	YT5698
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Thrombospondin 2
<b>Fields :</b>	>>Phagosome;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Malaria;>>Human papillomavirus infection
<b>Gene Name :</b>	THBS2
<b>Protein Name :</b>	Thrombospondin-2
<b>Human Gene Id :</b>	7058
<b>Human Swiss Prot No :</b>	P35442
<b>Mouse Gene Id :</b>	21826
<b>Mouse Swiss Prot No :</b>	Q03350
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human THBS2. AA range:1000-1050
<b>Specificity :</b>	Thrombospondin 2 Polyclonal Antibody detects endogenous levels of Thrombospondin 2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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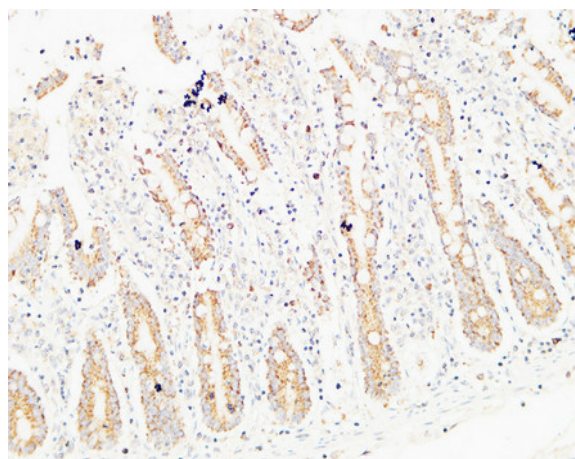
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	130kD
<b>Cell Pathway :</b>	TGF-beta;Focal adhesion;ECM-receptor interaction;
<b>Background :</b>	thrombospondin 2 (THBS2) Homo sapiens The protein encoded by this gene belongs to the thrombospondin family. It is a disulfide-linked homotrimeric glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. This protein has been shown to function as a potent inhibitor of tumor growth and angiogenesis. Studies of the mouse counterpart suggest that this protein may modulate the cell surface properties of mesenchymal cells and be involved in cell adhesion and migration. [provided by RefSeq, Jul 2008],
<b>Function :</b>	disease:Genetic variations in THBS2 may be a cause of susceptibility to lumbar disk herniation (LDH) [MIM:603932]. LDH is the predominant cause of low-back pain and unilateral leg pain.,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 1 VWFC domain.,similarity:Contains 3 EGF-like domains.,similarity:Contains 3 TSP type-1 domains.,similarity:Contains 8 TSP type-3 repeats.,subunit:Homotrimer; disulfide-linked.,tissue specificity:High expression in intervertebral disk tissue.,
<b>Subcellular Location :</b>	extracellular region,basement membrane,extracellular matrix,platelet alpha granule,
<b>Expression :</b>	High expression in intervertebral disk tissue.
<b>Sort :</b>	17110
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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## Products Images



Western blot analysis of mouse-heart lysis using THBS2 antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human colon. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).