

## Thrombospondin 4 Polyclonal Antibody

<b>Catalog No :</b>	YT5958
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	Thrombospondin 4
<b>Fields :</b>	>>Phagosome;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Malaria;>>Human papillomavirus infection
<b>Gene Name :</b>	THBS4 TSP4
<b>Protein Name :</b>	Thrombospondin-4
<b>Human Gene Id :</b>	7060
<b>Human Swiss Prot No :</b>	P35443
<b>Mouse Gene Id :</b>	21828
<b>Mouse Swiss Prot No :</b>	Q9Z1T2
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 551-600
<b>Specificity :</b>	The antibody detects endogenous Thrombospondin 4
<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>	IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Cell Pathway :** TGF-beta;Focal adhesion;ECM-receptor interaction;

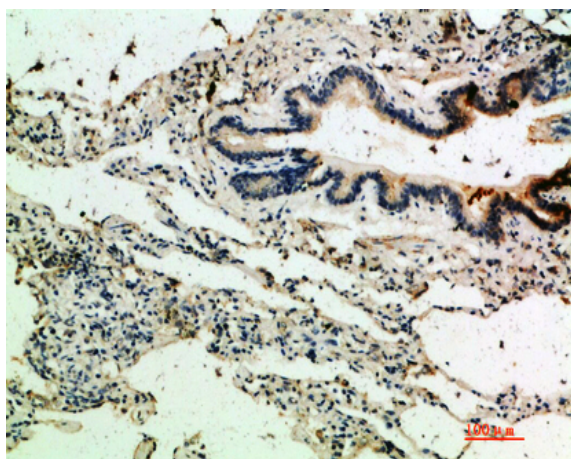
**Background :** thrombospondin 4(THBS4) Homo sapiens The protein encoded by this gene belongs to the thrombospondin protein family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentamer and can bind to heparin 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],

**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.,

**Subcellular Location :** Endoplasmic reticulum . Sarcoplasmic reticulum . Secreted . Secreted, extracellular space . Secreted, extracellular space, extracellular matrix .

**Expression :** Heart,PNS,Synovium,

## Products Images



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:200