

## Thrombospondin 4 Polyclonal Antibody

<b>Catalog No :</b>	YT4646
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;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
<b>Protein Name :</b>	Thrombospondin-4
<b>Human Gene Id :</b>	7060
<b>Human Swiss Prot No :</b>	P35443
<b>Mouse Swiss Prot No :</b>	Q9Z1T2
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human THBS4. AA range:561-610
<b>Specificity :</b>	Thrombospondin 4 Polyclonal Antibody detects endogenous levels of Thrombospondin 4 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 1:500-2000;IHC 1:100-500;IF ICC 1:100-500;ELISA 1:5000-20000
<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)

**Molecularweight :** 106kD

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

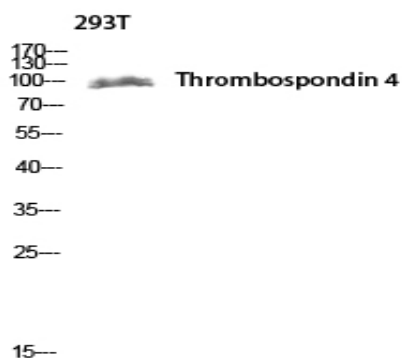
**Background :** thrombospondin 4 (THBS4) Homo sapiens The protein encoded by this gene belongs to the thrombospondin protein family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentamer and can bind to heparin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

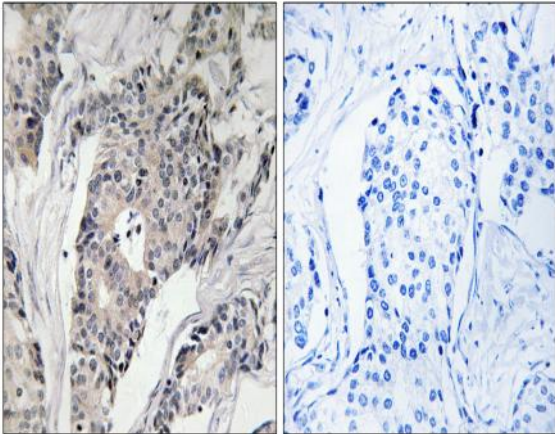
**Subcellular Location :** Endoplasmic reticulum . Sarcoplasmic reticulum . Secreted . Secreted, extracellular space . Secreted, extracellular space, extracellular matrix .

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

## Products Images



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.