

## **Thrombospondin 1 Polyclonal Antibody**

Catalog No: YT6293

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC

Target: Thrombospondin 1

Fields: >>Rap1 signaling pathway;>>p53 signaling pathway;>>Phagosome;>>PI3K-Akt

signaling pathway;>>TGF-beta signaling pathway;>>Focal adhesion;>>ECM-

receptor interaction;>>Malaria;>>Human papillomavirus

infection;>>Proteoglycans in cancer;>>MicroRNAs in cancer;>>Bladder cancer

Gene Name: THBS1 TSP TSP1

Protein Name: Thrombospondin 1

**Human Gene Id:** 7057

**Human Swiss Prot** 

No:

Immunogen: Synthesized peptide derived from human Thrombospondin 1

**Specificity:** This antibody detects endogenous levels of human Thrombospondin 1

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000;IHC 1:50-300

P07996

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration**: 1 mg/ml

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

1/3



Observed Band: 130kD

Background:

thrombospondin 1(THBS1) Homo sapiens The protein encoded by this gene is a subunit of a disulfide-linked homotrimeric protein. This protein is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. This protein can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1. This protein has been shown to play roles in platelet aggregation, angiogenesis, and tumorigenesis. [provided by RefSeq, Jul 2008],

**Function:** 

function:Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1, alpha-V/beta-3 and alpha-IIb/beta-3.,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.,

Subcellular Location :

Secreted . Cell surface . Secreted, extracellular space, extracellular matrix . Endoplasmic reticulum . Sarcoplasmic reticulum . Secreted by thrombin-activated platelets and binds to the cell surface in the presence of extracellular Ca(2+) (PubMed:6777381). Incorporated into the extracellular matrix of fibroblasts (PubMed:6341993). Also detected in the endoplasmic reticulum and sarcoplasmic reticulum where it plays a role in the ER stress response (By similarity).

**Expression:** 

Aorta endothelial cell.Endothelial cell.Liver.Plasma.Platelet.Saliva.

Tag:

hot

Sort:

17109

No4:

1

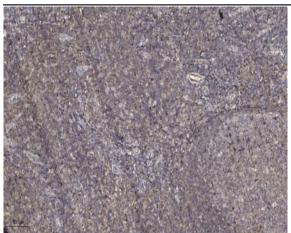
Host:

Rabbit

**Modifications:** 

Unmodified

## **Products Images**



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).