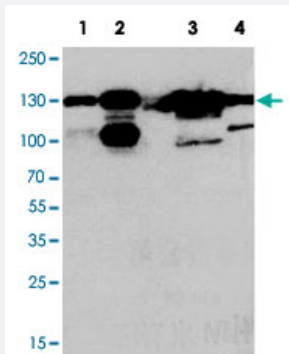


THBS2 polyclonal antibody

Catalog # PAB19523 Size 100 ug

Applications



Western Blot (Cell lysate)

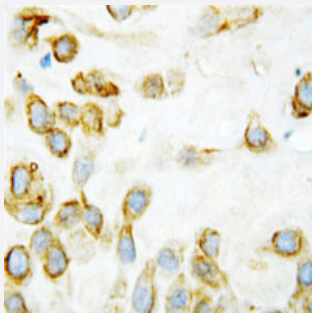
Western blot analysis of whole cell extracts with THBS2 polyclonal antibody (Cat # PAB19523).

Lane 1, SMMC

Lane 2, MCF-7

Lane 3, HT1080

Lane 4, Jurkat



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human placenta tissue with THBS2 polyclonal antibody (Cat # PAB19523) at 1ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of THBS2.
Immunogen	A synthetic peptide corresponding to amino acids at middle region of human THBS2.
Host	Rabbit
Reactivity	Human
Specificity	It different from the mouse sequence by two amino acids.
Form	Lyophilized

Purification	Immunoaffinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of whole cell extracts with THBS2 polyclonal antibody (Cat # PAB19523).

Lane 1, SMMC
Lane 2, MCF-7
Lane 3, HT1080
Lane 4, Jurkat

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human placenta tissue with THBS2 polyclonal antibody (Cat # PAB19523) at 1ug/mL.

Gene Info — THBS2

Entrez GeneID	7058
Gene Name	THBS2
Gene Alias	TSP2
Gene Description	thrombospondin 2
Omim ID	188061
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

OTTHUMP00000042899

Publication Reference

- [Thrombospondin enhances RANKL-dependent osteoclastogenesis and facilitates lung cancer bone metastasis.](#)

Wang M, Chao CC, Chen PC, Liu PI, Yang YC, Su CM, Huang WC, Tang CH.

Biochemical Pharmacology 2019 Aug; 166:23.

Application: IHC, WB-Ce, WB-Ti, Human, A-549, CL1-0, CL1-5 cells, Human lung cancer

- [Thrombospondin-2 promotes prostate cancer bone metastasis by the up-regulation of matrix metalloproteinase-2 through down-regulating miR-376c expression.](#)

Chen PC, Tang CH, Lin LW, Tsai CH, Chu CY, Lin TH, Huang YL.

Journal of Hematology & Oncology 2017 Jan; 10(1):33.

Application: IHC-P, WB, Human, Mouse, DU 145, PC-3 cells, Human prostate cancer, Mouse tibia

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [TGF-beta signaling pathway](#)

Disease

- [Aneurysm](#)
- [Aortic Aneurysm](#)
- [Atherosclerosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Carotid Stenosis](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Thrombosis](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hypertension](#)
- [Intervertebral Disk Displacement](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Renal Insufficiency](#)
- [Werner syndrome](#)