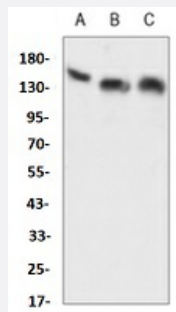


RecomAb™

THBS1 recombinant monoclonal antibody

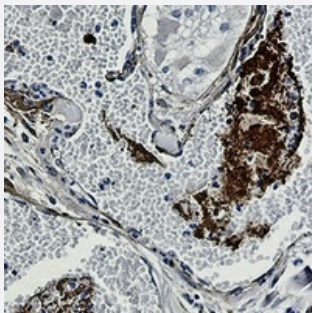
Catalog # RAB02614 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MCF7 (A), 293T (B), C2C12 (C) whole cell lysates with THBS1 recombinant monoclonal antibody (Cat # RAB02614).



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

Immunohistochemical analysis of human cholangiocarcinoma formalin fixed paraffin embedded tissue section using THBS1 recombinant monoclonal antibody (Cat # RAB02614). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.49). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human THBS1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of human THBS1.
Theoretical MW (kDa)	160
Reactivity	Human, Mouse

Specificity	Recognizes endogenous levels of Thrombospondin 1 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunoprecipitation

Gene Info — THBS1

Entrez GeneID	7057
Protein Accession#	P07996
Gene Name	THBS1
Gene Alias	THBS, TSP, TSP1

Gene Description	thrombospondin 1
Omim ID	188060
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	thrombospondin-1p180

Pathway

- [Bladder cancer](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [p53 signaling pathway](#)
- [TGF-beta signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Angina Pectoris](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Chorioamnionitis](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)

- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neovascularization](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Rectal Neoplasms](#)
- [Werner syndrome](#)