For Research Use Only

Thrombospondin 1 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:67241-1-Ig 2 Publications

Basic Information

Catalog Number:
67241-1-Ig

Size:
2200 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG29129

GenBank Accession Number:
NM_003246

GeneID (NCBI):
7057

UNIPROT ID:
P07996

Full Name:
thrombospondin 1

Calculated MW:
129 kDa

Observed MW:
160 kDa

Purification Method:
Protein G purification

CloneNo.:
2A3E1

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
Human, rat, mouse

Cited Species:
rat

Positive Controls:

WB : HepG2 cells, rat spleen tissue, NIH/3T3 cells, Jurkat cells, K-562 cells

Background Information

Thrombospondin 1(TSP-1), an extracellular matrix protein, is the first identified natural angiogenesis inhibitor. A variety of normal cells, including endothelial cells, fibroblasts, adipocytes, smooth muscle cells, monocytes, macrophages, and transformed cells such as malignant glioma cells, secrete Thrombospondin 1. It regulates cellular phenotype during tissue genesis and repair. It acts as a molecular facilitator by bringing together cytokines, growth factors, matrix components, membrane receptors and extracellular proteases. Thrombospondin 1 binds to a wide variety of integrin and non-integrin cell surface receptors. It is also a major activator of transforming growth factor (TGF β 1). Secreted TSP1 is a glycoprotein with a molecular mass of 150-180 kDa.

Notable Publications

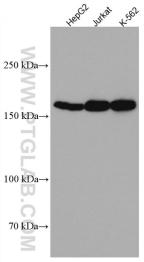
Author	Pubmed ID	Journal	Application
Mo-Li Zhu	38547622	Phytomedicine	WB,IHC,IF
Yu Ni	36785675	Diabetes Metab Syndr Obes	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67241-1-Ig (THBS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.