

For Research Use Only

# Thrombospondin 1 Monoclonal antibody

Catalog Number: 67241-1-Ig 2 Publications



## Basic Information

<b>Catalog Number:</b> 67241-1-Ig	<b>GenBank Accession Number:</b> NM_003246	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7057	<b>CloneNo.:</b> 2A3E1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P07996	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG1	<b>Full Name:</b> thrombospondin 1	
<b>Immunogen Catalog Number:</b> AG29129	<b>Calculated MW:</b> 129 kDa	
	<b>Observed MW:</b> 160 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, rat spleen tissue, NIH/3T3 cells, Jurkat cells, K-562 cells
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> Human, rat, mouse	
<b>Cited Species:</b> rat	

## 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 $\beta$ 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

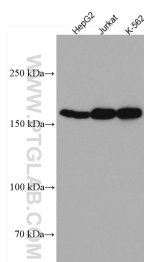
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## 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.