

Thrombospondin 1 Polyclonal antibody

Catalog Number: 18304-1-AP

Featured Product

34 Publications

Basic Information

Catalog Number: 18304-1-AP	GenBank Accession Number: BC028145	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 7057	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: thrombospondin 1	
Isotype: IgG	Calculated MW: 129 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : C6 cells, HeLa cells, human peripheral blood platelets, A431 cells, NIH/3T3 cells
Species Specificity: human, rat, mouse	IHC : human lung cancer tissue, human placenta tissue, human liver tissue
Cited Species: human, rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 (TGFβ1). Secreted TSP1 is a glycoprotein with a molecular mass of 150-180 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Gang Xu	34745323	Comput Math Methods Med	WB
Liming Zhang	34786057	Am J Transl Res	WB,IHC
Kun Jia	26993605	Oncotarget	IHC

Storage

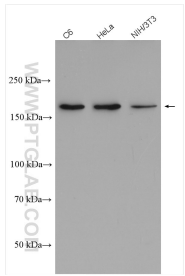
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

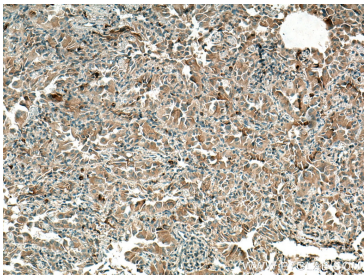
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
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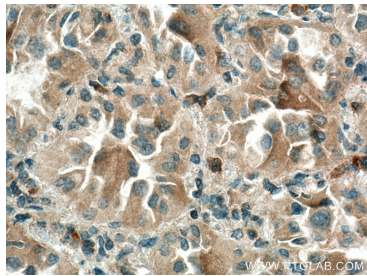
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18304-1-AP (Thrombospondin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 18304-1-AP (Thrombospondin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 18304-1-AP (Thrombospondin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).