

For Research Use Only

Thrombospondin 1 Polyclonal antibody, PBS Only

Catalog Number: 18304-1-PBS

Featured Product



Basic Information

Catalog Number:	18304-1-PBS	GenBank Accession Number:	BC028145	Purification Method:
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	7057	Antigen affinity purification
Source:	Rabbit	UNIPROT ID:	P07996	
Isotype:	IgG	Full Name:	thrombospondin 1	
		Calculated MW:	129 kDa	
		Observed MW:	180 kDa	

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, 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 β 1). Secreted TSP1 is a glycoprotein with a molecular mass of 150-180 kDa.

Storage

Storage:

Store at -80°C.

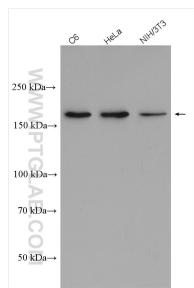
Storage Buffer:

PBS only, pH7.3

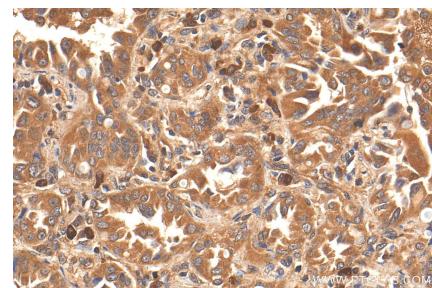
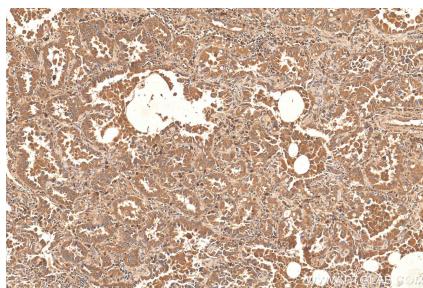
For technical support and original validation data for this product please contact:
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W: ptglab.com

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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. This data was developed using the same antibody clone with 18304-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 18304-1-PBS in a different storage buffer formulation.