

For Research Use Only

Angiopoietin 1 Polyclonal antibody

Catalog Number: 27093-1-AP

2 Publications



Basic Information

Catalog Number: 27093-1-AP	GenBank Accession Number: BC152411	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 284	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q15389	
Isotype: IgG	Full Name: angiopoietin 1	
Immunogen Catalog Number: AG25786	Calculated MW: 498 aa, 58 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HUVEC cells, HeLa cells, U-87 MG cells, mouse heart tissue, rat heart tissue, mouse lung tissue, rat lung tissue
Cited Applications: WB	IHC : human colon cancer tissue,
Species Specificity: human, mouse, rat	
Cited Species: human, 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

Angiopoietin 1 is a 70-kDa secreted glycoprotein generated from vascular mural cells, pericytes, and certain other cells. Angiopoietin 1 participates in vascular differentiation through angiogenesis, which is the process of the growth and remodelling of existing vessels. Angiopoietin 1 is also involved in the maintenance and turnover of blood vessels in mature animals. Angiopoietin 1 binds to and activates the TEK/TIE2 receptor by inducing its dimerization and tyrosine phosphorylation, playing an important role in the regulation of angiogenesis. Overexpression of Angiopoietin 1 has been proven to occur in malignant glioblastoma, neuroblastoma, non-small cell lung cancer, and other tumors.

Notable Publications

Author	Pubmed ID	Journal	Application
Hyung Duk Kim	38155524	Aging Cell	WB
Yafei Zhu	34626779	J Ethnopharmacol	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:

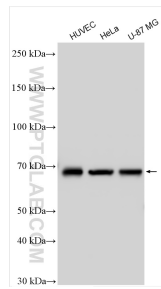
T: 4006900926

E: Proteintech-CN@ptglab.com

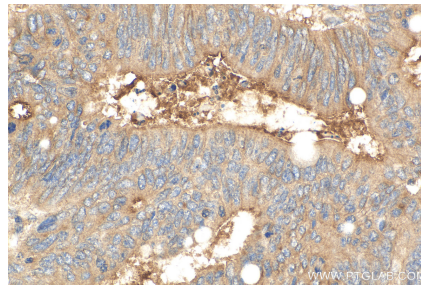
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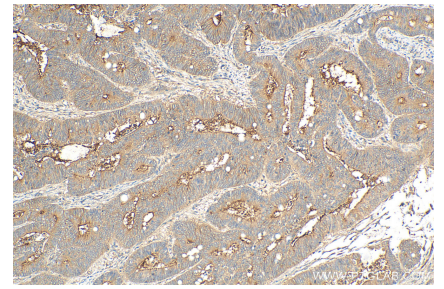
Selected Validation Data



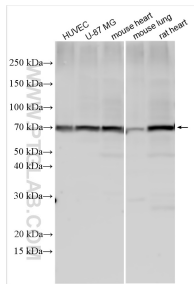
Various lysates were subjected to SDS PAGE followed by western blot with 27093-1-AP (Angiopoietin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27093-1-AP (Angiopoietin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 27093-1-AP (Angiopoietin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 27093-1-AP (Angiopoietin 1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.