

For Research Use Only

# Angiopoietin 1 Polyclonal antibody

Catalog Number: 23302-1-AP

Featured Product

30 Publications



## Basic Information

### Catalog Number:

23302-1-AP

### Size:

150ul, Concentration: 500 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18829

### GenBank Accession Number:

BC152411

### GeneID (NCBI):

284

### UNIPROT ID:

Q15389

### Full Name:

angiopoietin 1

### Calculated MW:

498 aa, 58 kDa

### Observed MW:

70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : HUVEC cells, mouse liver tissue, HepG2 cells, mouse heart tissue, A375 cells, rat heart tissue, HeLa cells, K-562 cells, C6 cells, U-87 MG cells

IF/ICC : HeLa cells,

## 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
Su-Wei Hu	36155178	Life Sci	WB
Daohai Qian	30359310	Stem Cell Res Ther	WB
Yu Wang	29061393	Neurosci Lett	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

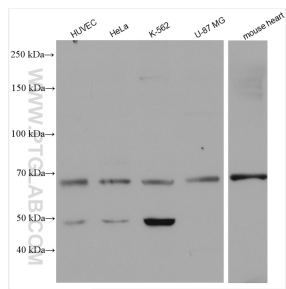
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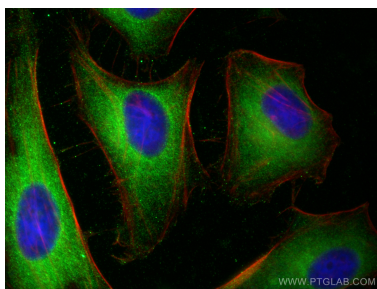
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23302-1-AP (Angiopoietin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Angiopoietin 1 antibody (23302-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).