

For Research Use Only

# Angiopoietin 2 Polyclonal antibody

Catalog Number: 24613-1-AP

25 Publications



## Basic Information

### Catalog Number:

24613-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG17938

### GenBank Accession Number:

BC126200

### GeneID (NCBI):

285

### UNIPROT ID:

O15123

### Full Name:

angiopoietin 2

### Calculated MW:

496 aa, 57 kDa

### Observed MW:

68 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, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : HUVEC cells, HeLa cells, HepG2 cells, K-562 cells

IF/ICC : PC-12 cells, A549 cells

## Background Information

Angiopoietin-2 (Ang2) is a growth factor belonging to the angiopoietin/Tie (tyrosine kinase with Ig and EGF homology domains) signaling pathway, one of the main pathways involved in angiogenesis. Angiopoietin-2 was identified through a cDNA library screening, shortly after the identification of angiopoietin-1. Angiopoietin-2, is a natural antagonist for Tie2 that disrupts in vivo angiogenesis. In adult mice and humans, Angiopoietin-2 is expressed only at sites of vascular remodeling. Angiopoietin-2 has also been found to be highly expressed in diverse tumor cells and plays an important role in tumor angiogenesis and inflammation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lifeng Wang	36160014	Front Genet	IHC
Qian Li	27771855	Tumour Biol	WB
Qiuyan Ma	36219207	Endocrinology	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

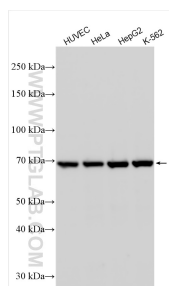
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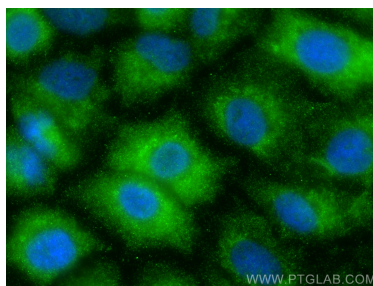
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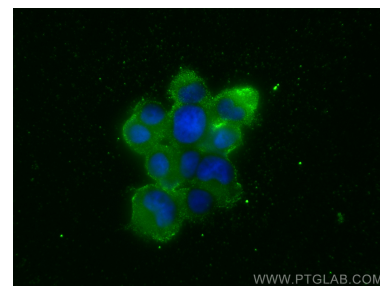
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24613-1-AP (Angiopoietin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using Angiopoietin 2 antibody (24613-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed PC-12 cells using Angiopoietin 2 antibody (24613-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).