

For Research Use Only

# ANGPTL2 Polyclonal antibody

Catalog Number:12316-1-AP

Featured Product

16 Publications



## Basic Information

### Catalog Number:

12316-1-AP

### Size:

150ul , Concentration: 600 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2969

### GenBank Accession Number:

BC012368

### GeneID (NCBI):

23452

### UNIPROT ID:

Q9UKU9

### Full Name:

angiopoietin-like 2

### Calculated MW:

493 aa, 57 kDa

### Observed MW:

57-64 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : mouse heart tissue, mouse testis tissue, mouse small intestine tissue, 3T3-L1 cells, mouse spleen tissue

**IP** : mouse testis tissue,

**IHC** : human colon cancer tissue, human heart tissue, human spleen tissue

## Background Information

ANGPTL2 (angiopoietin-like 2), a member of the Angptl protein family, is predominantly secreted from adipose tissue and the heart. ANGPTL2 consists of an N-terminus with a conserved coiled-coil domain, two glycosylation sites and a C-terminus with a conserved fibrinogen-like domain. It is a key adipocyte-derived inflammatory mediator that links obesity to systemic INS resistance. ANGPTL2 may play an important role in the pathogenesis of diabetic glomerulopathy.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tasuku Ohno	28934245	PLoS One	WB
Haofuzi Zhang	36358948	Biomolecules	IHC
Chenxi Jiang	34709660	J Periodontol	IHC, 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

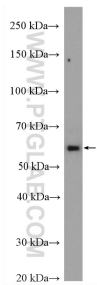
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

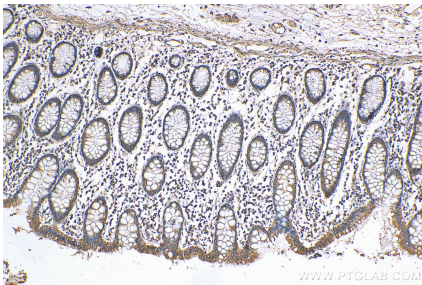
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

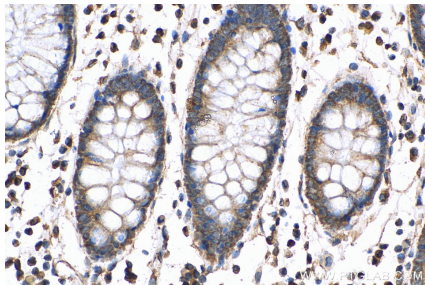
Selected Validation Data



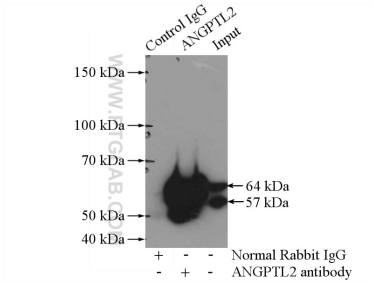
mouse heart tissue was subjected to SDS PAGE followed by western blot with 12316-1-AP (ANGPTL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12316-1-AP (ANGPTL2 antibody) at dilution of 1:200 (under 0x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12316-1-AP (ANGPTL2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ANGPTL2 (IP:12316-1-AP, 4ug; Detection:12316-1-AP 1:500) with mouse testis tissue lysate 4800ug.