

For Research Use Only

# ANGPTL2 Polyclonal antibody

Catalog Number: 12316-1-AP

Featured Product

13 Publications



## Basic Information

**Catalog Number:**

12316-1-AP

**Size:**

600 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse

**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

**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

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

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

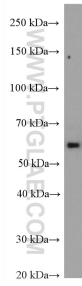
T: 4006900926

E: Proteintech-CN@ptglab.com

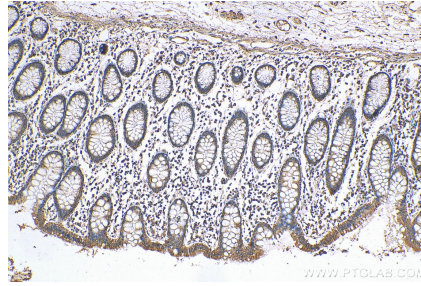
W: ptgcn.com

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

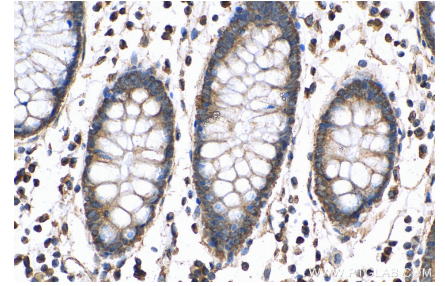
## Selected Validation Data



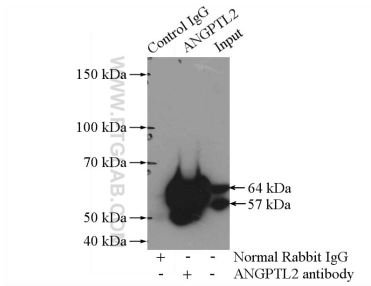
mouse heart tissue was subjected to SDS PAGE followed by western blot with 12316-1-AP (ANGPTL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.