

For Research Use Only

# Annexin A2 Polyclonal antibody

Catalog Number: 11256-1-AP

Featured Product

59 Publications



## Basic Information

### Catalog Number:

11256-1-AP

### Size:

600 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1777

### GenBank Accession Number:

BC016774

### GeneID (NCBI):

302

### ENSEMBL Gene ID:

ENSG00000182718

### UNIPROT ID:

P07355

### Full Name:

annexin A2

### Calculated MW:

339 aa, 39 kDa

### Observed MW:

35-40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:50-1:500

IF 1:200-1:800

## Applications

### Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, IP, RIP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, chicken, rat, mouse, monkey, pig, bovine

**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**: HeLa cells, HEK-293 cells, mouse placenta tissue, HepG2 cells, NIH/3T3 cells, mouse kidney tissue

**IP**: HeLa cells,

**IHC**: human liver tissue, human hepatocirrhosis tissue, human lung cancer tissue, human oesophagus cancer tissue, human prostate cancer tissue, human breast cancer tissue

**IF**: T-47D cells, MCF-7 cells, HeLa cells

## Background Information

Annexin A2 (ANXA2), also named Annexin-2 or Lipocortin II, is a Ca<sup>2+</sup> binding protein that is up-regulated in virally transformed cell lines and human tumors. This calcium-regulated membrane-binding protein, whose affinity for calcium is greatly enhanced by anionic phospholipids, may cross-link plasma membrane phospholipids with actin and the cytoskeleton and be involved with exocytosis. Heat-stress response may also involve Annexin-2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ming Xiong	31695759	Theranostics	IHC
Binghui Liu	33320565	ACS Biomater Sci Eng	IHC
Di Huang	30224822	Nat Immunol	

## 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:

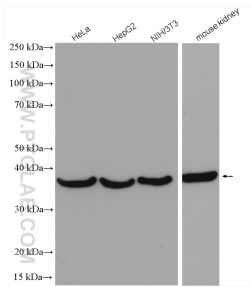
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

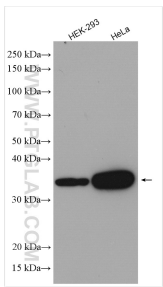
W: [ptgcn.com](http://ptgcn.com)

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

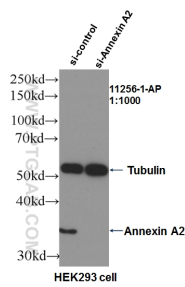
Selected Validation Data



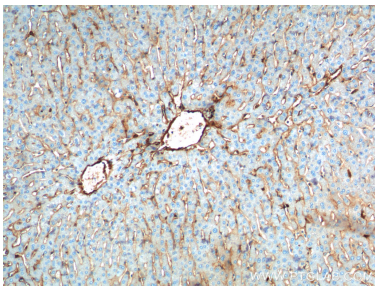
Various lysates were subjected to SDS PAGE followed by western blot with 11256-1-AP (Annexin A2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



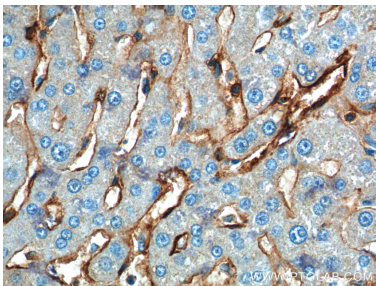
Various lysates were subjected to SDS PAGE followed by western blot with 11256-1-AP (Annexin A2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



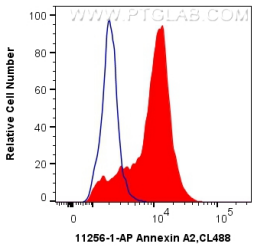
WB result of Annexin A2 (11256-1-AP, 1:1000) with si-Control and si-Annexin A2 transfected HEK293 cells.



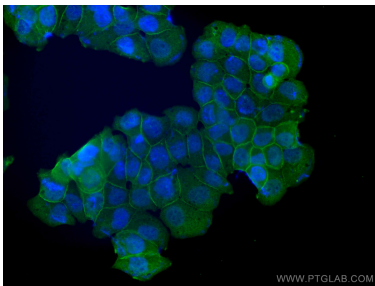
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11256-1-AP (Annexin A2 Antibody) at dilution of 1:200 (under 10x lens).



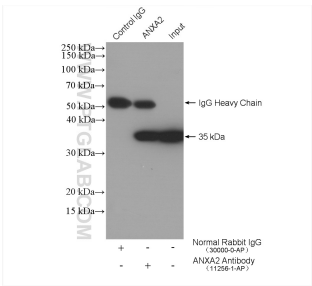
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11256-1-AP (Annexin A2 Antibody) at dilution of 1:200 (under 40x lens).



1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 ug Anti-Human Annexin A2 (11256-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed T-47D cells using Annexin A2 antibody (11256-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-Annexin A2 (IP:11256-1-AP, 4ug; Detection:11256-1-AP 1:3000) with HeLa cells lysate 2640 ug.