

For Research Use Only

# Annexin A2 Monoclonal antibody

Catalog Number: 66035-1-Ig

Featured Product

22 Publications



## Basic Information

Catalog Number:

66035-1-Ig

Size:

2000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG16654

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:

39 kDa

Purification Method:

Protein A purification

CloneNo.:

1C1E12

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:5000-1:20000

IF/ICC 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

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 : K-562 cells, MCF-7 cells, human brain tissue, HepG2 cells, HEK-293 cells, A549 cells, HeLa cells, A431 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IHC : human breast cancer tissue, human skin cancer tissue

IF/ICC : T-47D 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
Lei Wang	32882585	Biomed Pharmacother	WB,IHC,IF,CoIP
Haoran Lin	36367512	Neurosci Lett	WB
Jing Gu	30341243	Biosci Rep	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:

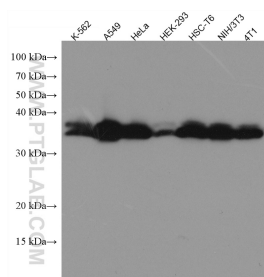
T: 4006900926

E: Proteintech-CN@ptglab.com

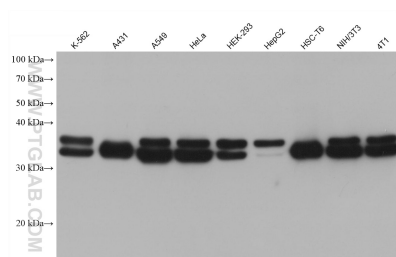
W: ptgcn.com

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

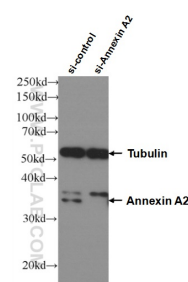
## Selected Validation Data



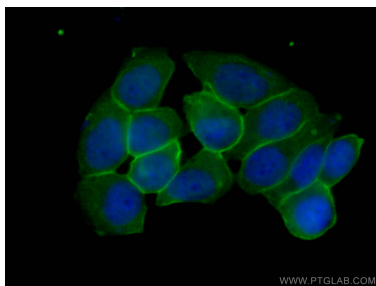
Various lysates were subjected to SDS PAGE followed by western blot with 66035-1-Ig (Annexin A2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



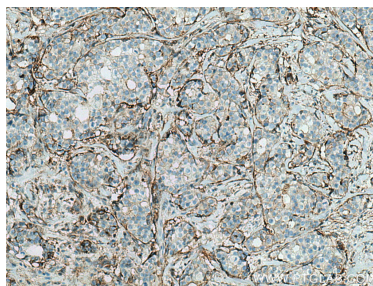
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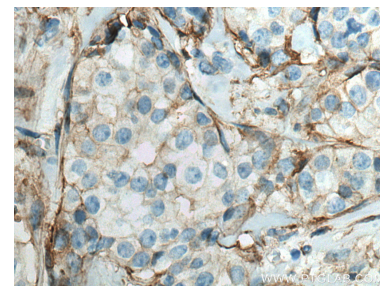
WB result of Annexin A2 antibody (66035-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Annexin A2 transfected HEK-293 cells.



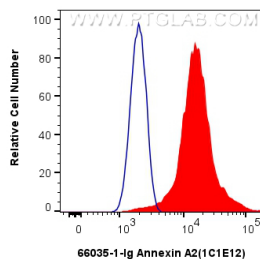
Immunofluorescent analysis of (-20°C Ethanol) fixed T-47D cells using 66035-1-Ig (Annexin A2 antibody), at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66035-1-Ig (Annexin A2 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66035-1-Ig (Annexin A2 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25 ug Annexin A2 Monoclonal antibody (66035-1-Ig, Clone:1C1E12) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG2a isotype control Mouse McAb (66360-2-Ig, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).