

For Research Use Only

Annexin A2 Monoclonal antibody

Catalog Number: 66035-1-Ig

Featured Product

22 Publications



Basic Information

| | | |
|--|--|---|
| Catalog Number: 66035-1-Ig | GenBank Accession Number: BC016774 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 2000 µg/ml by Nanodrop; | GeneID (NCBI): 302 | CloneNo.: 1C1E12 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000182718 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:5000-1:20000 IF/ICC 1:250-1:1000 |
| Isotype: IgG2a | UNIPROT ID: P07355 | |
| Immunogen Catalog Number: AG16654 | Full Name: annexin A2 | |
| | Calculated MW: 339 aa, 39 kDa | |
| | Observed MW: 39 kDa | |

Applications

| | |
|---|--|
| Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA | 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 |
| Cited Applications: WB, IHC, IF, IP, CoIP | IHC : human breast cancer tissue, human skin cancer tissue |
| Species Specificity: human, mouse, rat | IF/ICC : T-47D cells, HeLa cells |
| 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

Background Information

Annexin A2 (ANXA2), also named Annexin-2 or Lipocortin II, is a Ca²⁺ 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

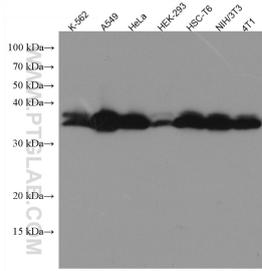
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

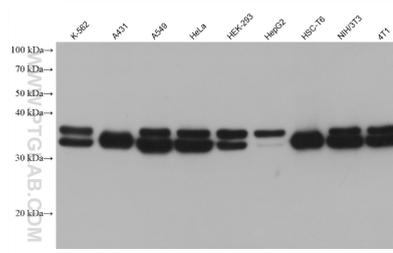
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

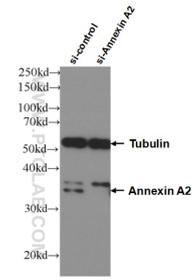
Selected Validation Data



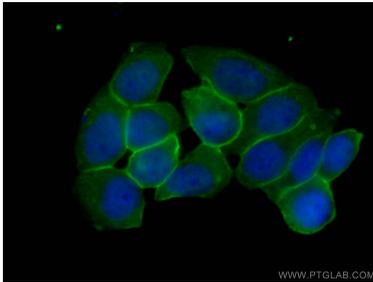
Various lysates were subjected to SDS PAGE followed by western blot with 66035-1-Ig (Annexin A2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



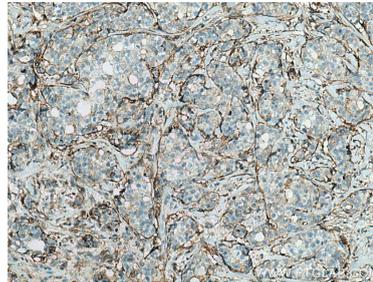
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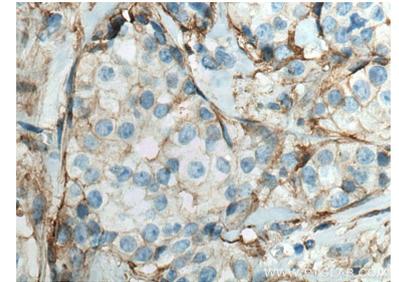
WB result of Annexin A2 antibody (66035-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Annexin A2 transfected HEK-293 cells.



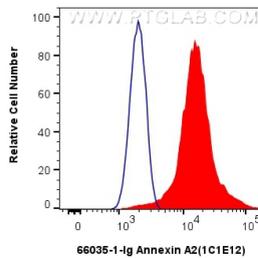
Immunofluorescent analysis of (-20°C Ethanol) fixed T-47D cells using 66035-1-Ig (Annexin A2 antibody), at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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).



1×10^6 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).