

For Research Use Only

Annexin A11 Monoclonal antibody

Catalog Number: 68089-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number:

68089-1-Ig

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG31839

GenBank Accession Number:

BC007564

GeneID (NCBI):

311

UNIPROT ID:

P50995

Full Name:

annexin A11

Calculated MW:

56 kDa

Observed MW:

56 kDa

Purification Method:

Protein G purification

CloneNo.:

1A3C4

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:500-1:2000

IF/ICC: 1:200-1:800

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

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

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat, pig, rabbit

Cited Species:

human, mouse

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 : A431 cells, A549 cells, HeLa cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, pig heart tissue, rabbit heart

IHC : human lung cancer tissue, human ovary tumor tissue

IF/ICC : HeLa cells,

FC (Intra) : HEK-293T cells, HeLa cells

Background Information

Annexin A11 (Anxa11) is one member of annexins that are Ca²⁺-regulated phospholipid-binding proteins. Annexin A11 plays an important role in cell division, differentiation, apoptosis, vesicle trafficking and Ca²⁺ signaling (PMID: 31610865). ANXA11, an RNA granule-associated phosphoinositide-binding protein, acts as a molecular tether between RNA granules and lysosomes (PMID: 31539493). Annexin A11 dysregulation is involved in the progression, drug-resistance, recurrence of systemic autoimmune disease and cancer. Annexin A11, is involved in a variety of cellular functions including mRNA transport and translation, endocytosis, exocytosis, and plasma membrane repair (PMID: 38896345).

Notable Publications

Author	Pubmed ID	Journal	Application
John L Robinson	38896345	Acta Neuropathol	WB, IHC
Sara Emad El-Agamy	37739344	Mol Cell Proteomics	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

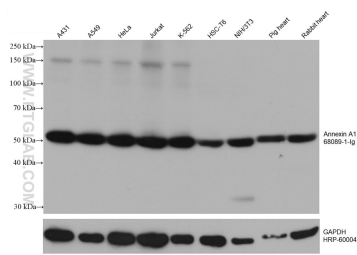
T: 4006900926

E: Proteintech-CN@ptglab.com

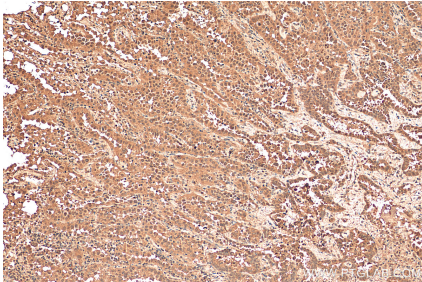
W: ptgcn.com

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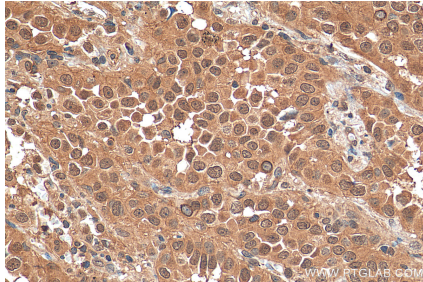
Selected Validation Data



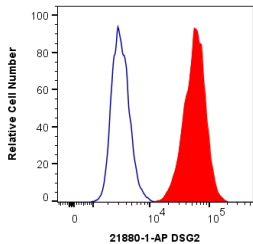
Various lysates were subjected to SDS PAGE followed by western blot with 68089-1-Ig (Annexin A11 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



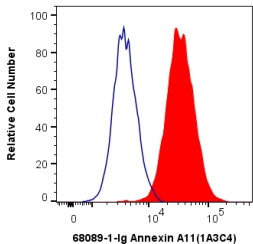
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68089-1-Ig (Annexin A11 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



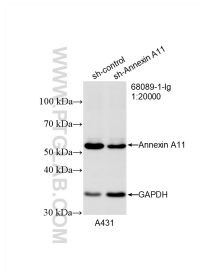
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68089-1-Ig (Annexin A11 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



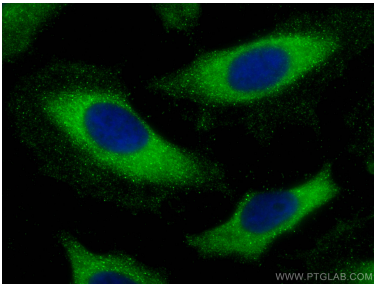
1X10⁶ HEK-293T cells were intracellularly stained with 0.4 ug Anti-Human Annexin A11 (68089-1-Ig, Clone:1A3C4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human Annexin A11 (68089-1-Ig, Clone:1A3C4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



WB result of Annexin A11 antibody (68089-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Annexin A11 transfected A431 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Annexin A11 antibody (68089-1-Ig, Clone: 1A3C4) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).