For Research Use Only

Annexin A11 Monoclonal antibody, PBS Only

Catalog Number:68089-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
68089-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

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 A purification

CloneNo.:
1A3C4

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat, pig, rabbit

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).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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
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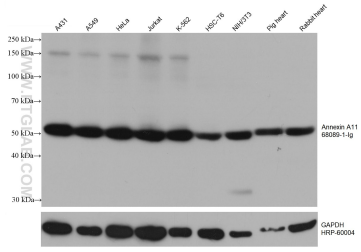
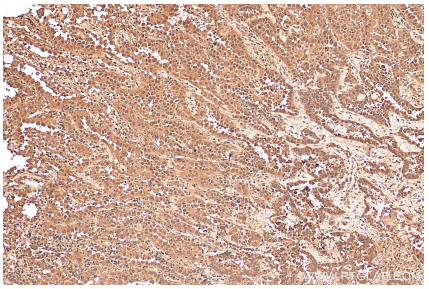
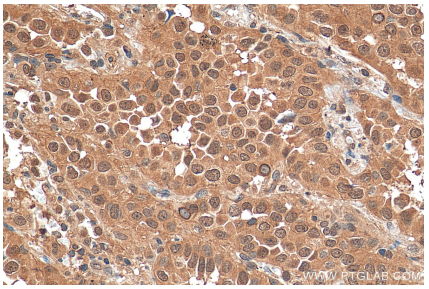
Selected Validation Data



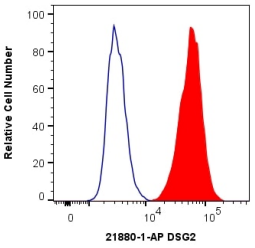
Various lysates were subjected to SDS PAGE followed by western blot with 68089-1-Ig (Annexin A11 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68089-1-PBS in a different storage buffer formulation.



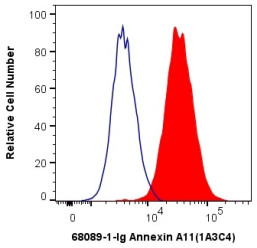
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68089-1-Ig (Annexin A11 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68089-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68089-1-PBS in a different storage buffer formulation.



1X10^6 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 (PF00011-C). This data was developed using the same antibody clone with 68089-1-



1X10^6 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 (PF00011-C). This data was developed using the same antibody clone with 68089-1-

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). This data was developed using the same antibody clone with 68089-1-PBS in a different storage buffer formulation.