For Research Use Only

Annexin A7 Polyclonal antibody, PBS Only

Catalog Number:10154-2-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
10154-2-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0206

GenBank Accession Number:
BC002632

GeneID (NCBI):
310

UNIPROT ID:
P20073

Full Name:
annexin A7

Calculated MW:
50 kDa

Observed MW:
47 kDa, 51 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, FC (Intra), IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

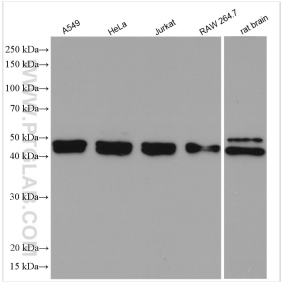
Annexin A7 (Anx7) belongs to a ubiquitous and relatively abundant family of Ca2+-dependent membrane-binding proteins, which are thought to be involved in multiple aspects of cell biology including membrane trafficking, mediation of cell-matrix interactions and membrane organization within cells. Anx7, migrated as a 50 kDa protein in SDS-PAGE, has been proposed to function in the fusion of vesicles, acting as a Ca++ channel and as Ca++ -activated GTPase, thus inducing Ca++ /GTP-dependent secretory events.

Storage

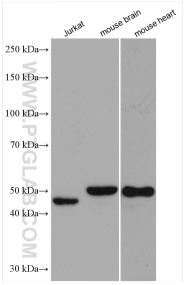
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10154-2-AP (Annexin A7 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10154-2-PBS in a different storage buffer formulation.



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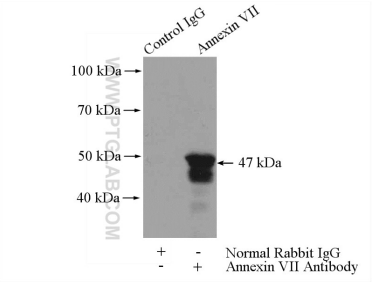
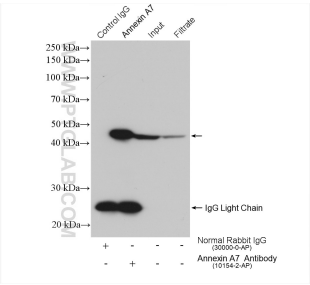
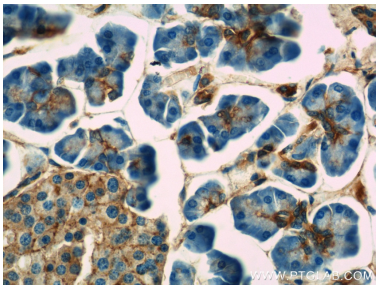


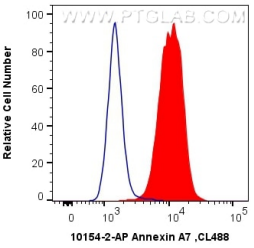
IP result of anti-Annexin A7 (IP:10154-2-AP, 4ug; Detection:10154-2-AP 1:800) with mouse heart tissue lysate 3200ug. This data was developed using the same antibody clone with 10154-2-PBS in a different storage buffer formulation.



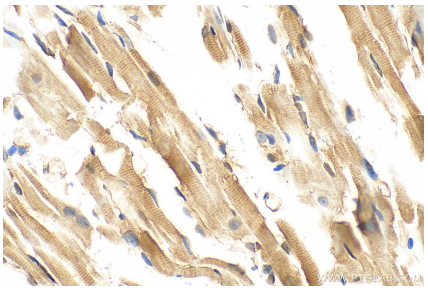
IP result of anti-Annexin A7 (IP:10154-2-AP, 4ug; Detection:10154-2-AP 1:8000) with U-87 MG cells lysate 1160 ug. This data was developed using the same antibody clone with 10154-2-PBS in a different storage buffer formulation.



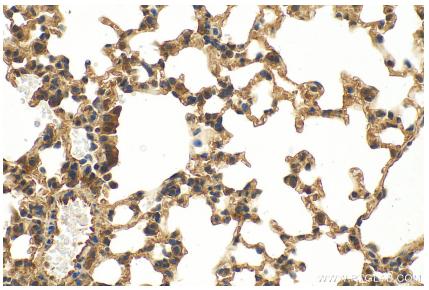
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10154-2-AP (Annexin VII antibody at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 10154-2-PBS in a different storage buffer formulation.



1X10^6 SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human Annexin A7 (10154-2-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). This data was developed using the same antibody clone with 10154-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10154-2-AP (Annexin A7 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10154-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10154-2-AP (Annexin A7 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10154-2-PBS in a different storage buffer formulation.