For Research Use Only

Annexin A7 Polyclonal antibody

Catalog Number:10154-2-AP Featured Product 12 Publications

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Basic Information

Catalog Number:
10154-2-AP

Size:
300 ug/ml

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

Recommended Dilutions:
WB 1:2000-1:16000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:200-1:800

Applications

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

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

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 : A549 cells, Jurkat cells, mouse lung tissue, L02 cells, mouse brain tissue, mouse heart tissue, HeLa cells, RAW 264.7 cells, rat brain tissue

IP : U-87 MG cells, mouse heart tissue

IHC : mouse heart tissue, human pancreas tissue, human prostate cancer tissue, human stomach tissue, human stomach cancer tissue, mouse stomach tissue, rat stomach tissue

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.

Notable Publications

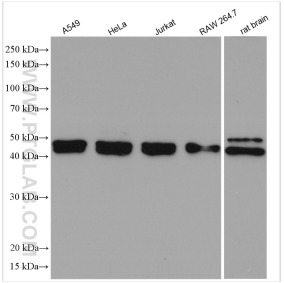
Author	Pubmed ID	Journal	Application
Hu-Fang Yuan	25400735	Int J Clin Exp Pathol	WB,IHC
Ahmed Musa Hago	27914826	Biomed Pharmacother	WB
Hu-Fang Yuan	31217851	Am J Transl Res	IHC

Storage

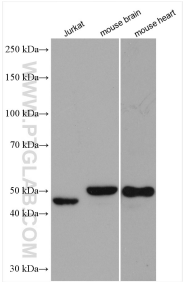
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.



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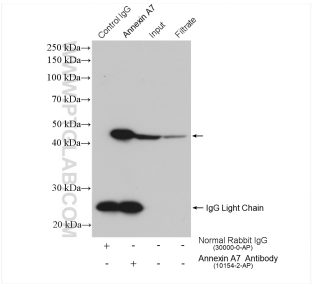
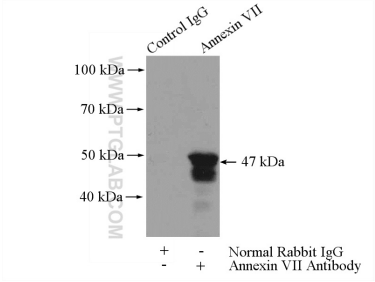
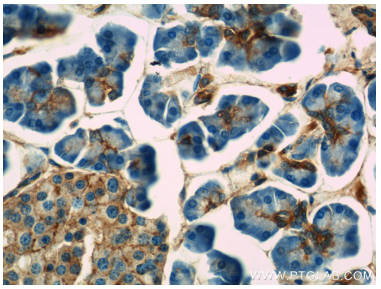


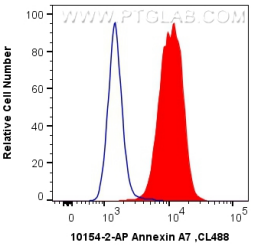
IP result of anti-Annexin A7 (IP:10154-2-AP, 4ug; Detection:10154-2-AP 1:8000) with U-87 MG cells lysate 1160 ug.



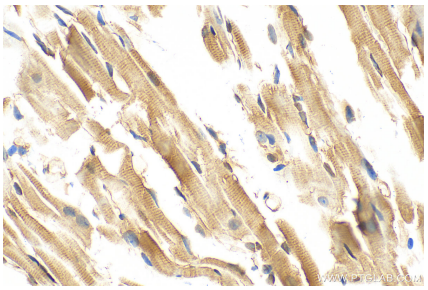
IP result of anti-Annexin A7 (IP:10154-2-AP, 4ug; Detection:10154-2-AP 1:800) with mouse heart tissue lysate 3200ug.



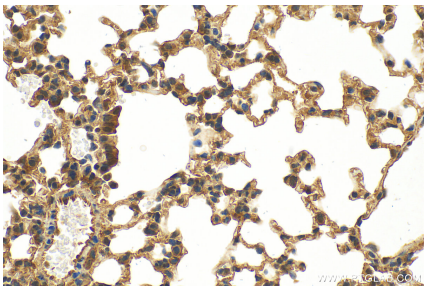
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10154-2-AP (Annexin VII antibody at dilution of 1:50 (under 40x lens).



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).



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).



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).