

For Research Use Only

# Annexin A7 Polyclonal antibody

Catalog Number: 10154-2-AP

Featured Product

12 Publications



## Basic Information

**Catalog Number:**

10154-2-AP

**Size:**

300 µg/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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

**Tested Applications:**

FC, IHC, IP, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**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, LO2 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:** human pancreas tissue, human prostate cancer tissue, human stomach tissue, human stomach cancer tissue, rat stomach tissue, mouse stomach tissue

## Background Information

Annexin A7 (Anx7) belongs to a ubiquitous and relatively abundant family of Ca<sup>2+</sup>-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<sup>++</sup> channel and as Ca<sup>++</sup>-activated GTPase, thus inducing Ca<sup>++</sup>/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:

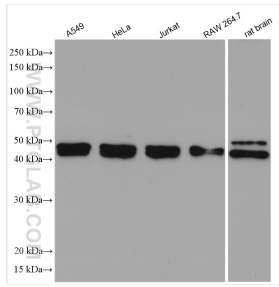
T: 4006900926

E: Proteintech-CN@ptglab.com

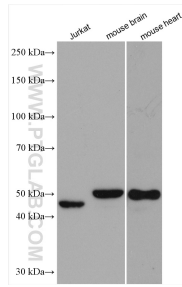
W: ptgcn.com

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

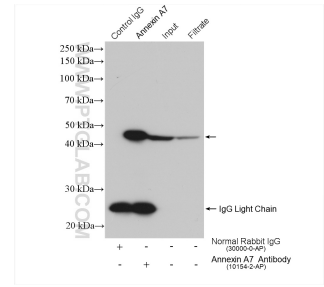
## Selected Validation Data



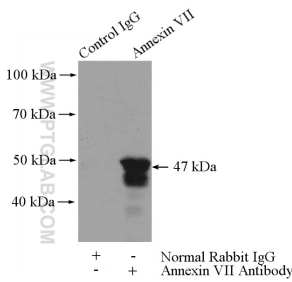
Various lysates were subjected to SDS PAGE followed by western blot with 10154-2-AP (Annexin A7 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



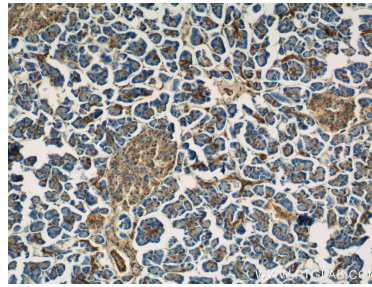
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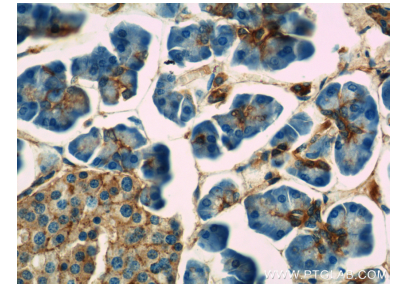
IP result of anti-Annexin A7 (IP:10154-2-AP, 4ug; Detection:10154-2-AP 1:8000) with U-87 MG cells lysate 1160 ug.



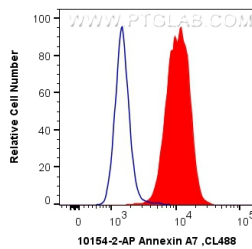
IP result of anti-Annexin A7 (IP:10154-2-AP, 4ug; Detection:10154-2-AP 1:800) with mouse heart tissue lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10154-2-AP (Annexin VII antibody at dilution of 1:50 (under 10x lens).



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



$1 \times 10^6$  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).