

For Research Use Only

Annexin A11 Polyclonal antibody

Catalog Number: 10479-2-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

10479-2-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0729

GenBank Accession Number:

BC007564

GeneID (NCBI):

311

UNIPROT ID:

P50995

Full Name:

annexin A11

Calculated MW:

56 kDa

Observed MW:

56-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, 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 : A431 cells, HeLa cells, mouse uterus tissue

IP : HeLa cells,

IHC : human ovary tumor tissue, human breast cancer tissue, human kidney tissue, human lung cancer tissue

IF/ICC : 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
Mridul Johari	36134701	Ann Clin Transl Neurol	IHC
Elisa Teyssou	33218681	Neurobiol Aging	WB,IHC
Keiichi Takizawa	36439984	iScience	IHC

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

*** 20ul sizes contain 0.1% BSA

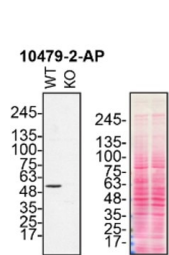
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

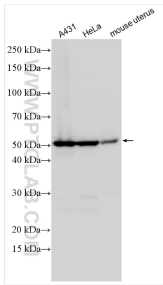
E: proteintech@ptglab.com
W: ptglab.com

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

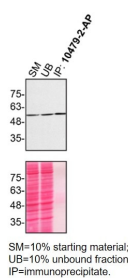
Selected Validation Data



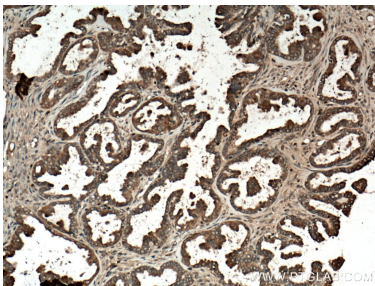
HeLa (WT and ANXA11 KO) lysates prepared with RIPA buffer, 50 µg protein loaded. 10479-2-AP incubated at 1:2000 at 4°C overnight in 5% milk in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



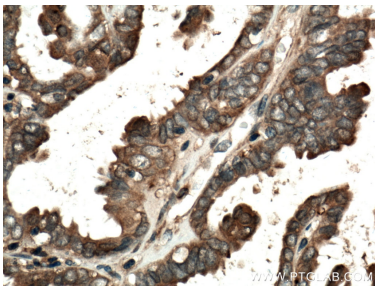
Various lysates were subjected to SDS PAGE followed by western blot with 10479-2-AP (Annexin A11 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



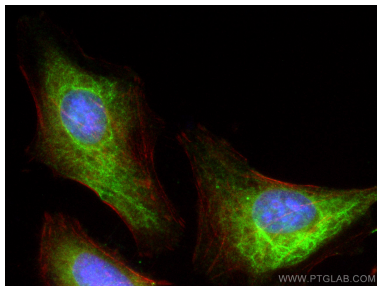
HeLa lysates prepared and IP of ANXA11 performed using 1.0 µg of 10479-2-AP coupled to protein A-Sepharose beads. The Ponceau stained transfers of each blot are shown. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



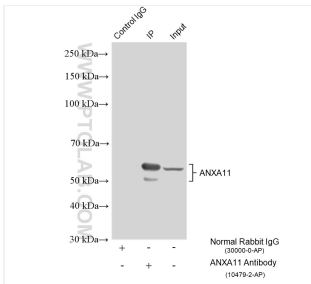
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10479-2-AP (Annexin A11 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10479-2-AP (Annexin A11 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Annexin A11 antibody (10479-2-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-Annexin A11 (IP:10479-2-AP, 4µg; Detection:10479-2-AP 1:30000) with HeLa cells lysate 1480 µg.