

For Research Use Only

Annexin VI Polyclonal antibody

Catalog Number: 12542-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

12542-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 180 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3263

GenBank Accession Number:

BC017046

GeneID (NCBI):

309

UNIPROT ID:

P08133

Full Name:

annexin A6

Calculated MW:

673 aa, 76 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

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, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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: HeLa cells, A549 cells, human brain tissue, Jurkat cells, mouse brain tissue, mouse kidney tissue, mouse placenta tissue

IP: mouse kidney tissue,

IHC: human colon tissue, human kidney tissue, human normal colon, human testis tissue

IF/ICC: HeLa cells,

Background Information

ANXA6, also called CBP68, or 67 kDa calelectrin, belongs to a family of calcium-dependent membrane and phospholipid binding proteins. Several members of the annexin family have been implicated in membrane-related events along exocytotic and endocytotic pathways. The annexin VI gene is approximately 60 kbp long and contains 26 exons. It encodes a protein of about 68 kDa that consists of eight 68-amino acid repeats separated by linking sequences of variable lengths. It is highly similar to human annexins I and II sequences, each of which contain four such repeats. Annexin VI has been implicated in mediating the endosome aggregation and vesicle fusion in secreting epithelia during exocytosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Bing Wang	29158682	Onco Targets Ther	WB
Yin Cao	30901224	J Proteome Res	WB, IHC
Hao Zhang	35372351	Front Cell Dev Biol	WB

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

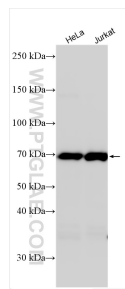
For technical support and original validation data for this product please contact:

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

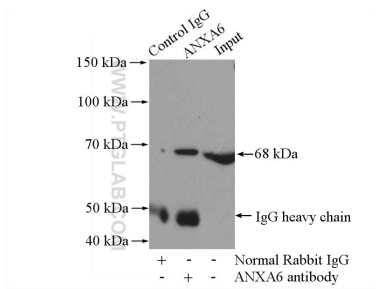
E: proteintech@ptglab.com
W: ptglab.com

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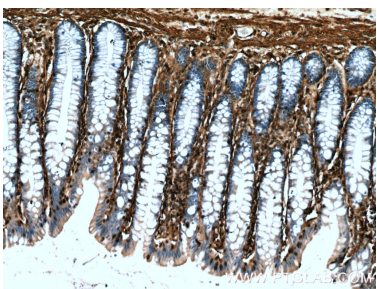
Selected Validation Data



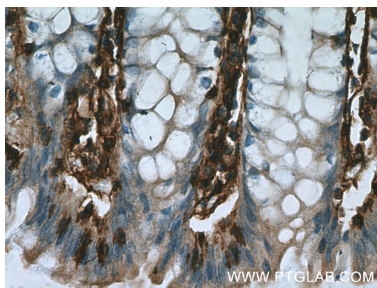
Various lysates were subjected to SDS PAGE followed by western blot with 12542-1-AP (Annexin VI antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



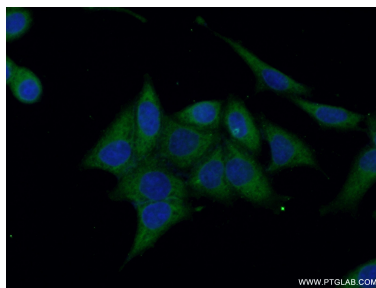
IP result of anti-Annexin VI (IP:12542-1-AP, 4ug; Detection:12542-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



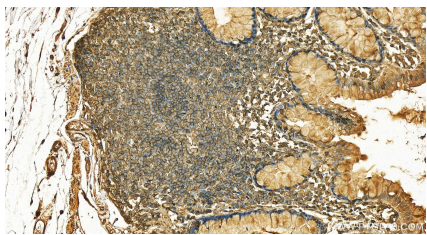
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 12542-1-AP (Annexin VI antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 12542-1-AP (Annexin VI antibody at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12542-1-AP (Annexin VI antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 12542-1-AP (Annexin VI antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).