

For Research Use Only

# Annexin A3 Monoclonal antibody

Catalog Number: 66405-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 66405-1-Ig	<b>GenBank Accession Number:</b> BC000871	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1300 ug/ml by 306 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 306	<b>CloneNo.:</b> 1A11E4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P12429	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> annexin A3	
<b>Immunogen Catalog Number:</b> AG2381	<b>Calculated MW:</b> 322 aa, 36 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> HCT 116 cells, HEK-293 cells, HepG2 cells, L02 cells, Caco-2 cells, human heart tissue, human spleen tissue, SW 1990 cells, DU 145 cells, SCaBER cells, HeLa cells, MCF-10A cells
<b>Species Specificity:</b> human	<b>IHC :</b> human pancreas tissue,
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Annexin A3 (Anxa3), also named as lipocortin3, placental anticoagulant protein3 (PAP-III), belongs to annexin family. Annexins are calcium-dependent phospholipids-binding high-abundant intracellular proteins. ANXA3 has been reported to play crucial roles in a diverse range of molecular and cellular processes, including ion channel regulation, anticoagulation, anti-inflammation, vesicle traffick-ing, signal transduction, cell migration, and cell proliferation. It also exhibits important roles in cancer progression, metastasis, and drug resistance.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuanyuan Chen	38778160	Oncogene	WB,IHC,IF

## Storage

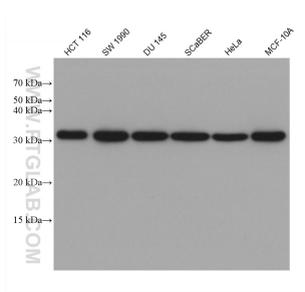
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

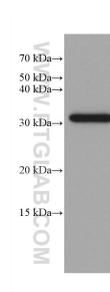
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

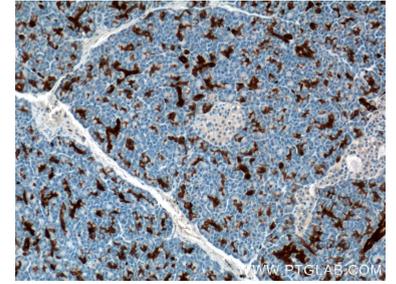
## Selected Validation Data



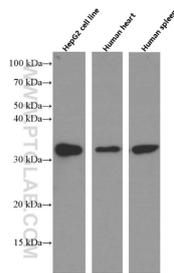
Various lysates were subjected to SDS PAGE followed by western blot with 66405-1-Ig (Annexin A3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



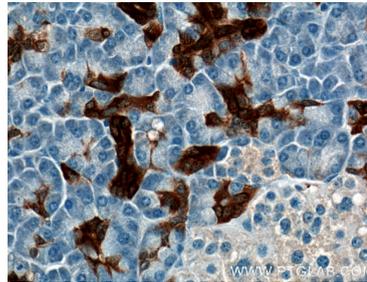
Caco-2 cells were subjected to SDS PAGE followed by western blot with 66405-1-Ig (Annexin A3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 66405-1-Ig (Annexin A3 antibody at dilution of 1:200 (under 10x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 66405-1-Ig (Annexin A3 antibody at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 66405-1-Ig (Annexin A3 antibody at dilution of 1:200 (under 40x lens).