

For Research Use Only

# Annexin A3 Monoclonal antibody

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



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>66405-1-Ig  | <b>GenBank Accession Number:</b><br>BC000871 | <b>Purification Method:</b><br>Protein A purification                |
| <b>Size:</b><br>150ul, Concentration: 1300 µg/ml by 306<br>Nanodrop and 1000 µg/ml by Bradford<br>method using BSA as the standard; | <b>GeneID (NCBI):</b><br>306                 | <b>CloneNo.:</b><br>1A11E4   |
| <b>Source:</b><br>Mouse   | <b>UNIPROT ID:</b><br>P12429                 | <b>Recommended Dilutions:</b><br>WB 1:2000-1:16000<br>IHC 1:50-1:500 |
| <b>Isotype:</b><br>IgG2a  | <b>Full Name:</b><br>annexin A3              |  |
| <b>Immunogen Catalog Number:</b><br>AG2381  | <b>Calculated MW:</b><br>322 aa, 36 kDa      |  |
|   | <b>Observed MW:</b><br>36 kDa                |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IHC, ELISA  | <b>Positive Controls:</b><br>WB : HepG2 cells, HEK-293 cells, L02 cells, human heart<br>tissue, human spleen tissue<br>IHC : human pancreas tissue, |
| <b>Cited Applications:</b><br>WB, IHC, IF  |   |
| <b>Species Specificity:</b><br>human   |   |
| <b>Cited Species:</b><br>mouse   |   |
| <b>Note-IHC: suggested antigen retrieval with<br/>TE buffer pH 9.0; (*) Alternatively, antigen<br/>retrieval may be performed with citrate<br/>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

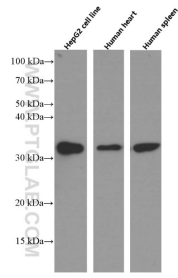
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

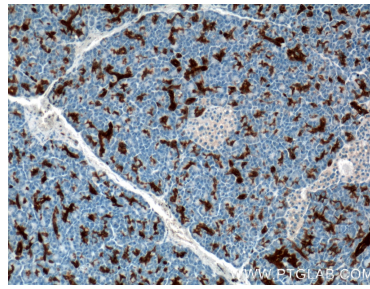
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

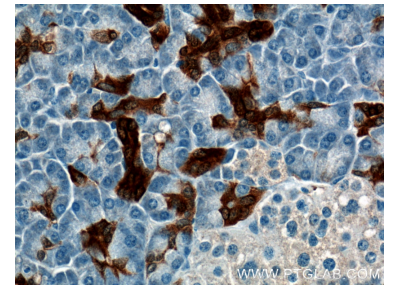
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66405-1-Ig (Annexin A3 antibody at dilution of 1:8000 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 10x lens).



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