

For Research Use Only

# Annexin A4 Monoclonal antibody

Catalog Number: 60288-2-Ig



## Basic Information

<b>Catalog Number:</b> 60288-2-Ig	<b>GenBank Accession Number:</b> BC000182	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 3500 ug/ml by 307 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> P09525	<b>CloneNo.:</b> 1A10B5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P09525	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:200-1:800 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2c	<b>Full Name:</b> annexin A4	
<b>Immunogen Catalog Number:</b> AG0130	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 32 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> COLO 320 cells, human placenta tissue, A549 cells, human heart tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human placenta tissue,
	<b>IF/ICC :</b> HeLa cells,

## Background Information

Annexin A4 (Anxa4) is one of the Ca<sup>2+</sup>-regulated and phospholipid-binding annexin superfamily proteins, and is located at 2p13. Anxa4 has a potential role in diagnosis, prognosis, and treatment of certain cancers. Annexin A4 shares 45 to 59% identity with other members and possibly interacts with ATP. Annexin A4 has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. The Annexin A4 protein is expressed in a wide range of tissues, associated with polarized epithelial cells and is proposed to be involved in the regulation of chloride ions across the epithelial membrane.

## Storage

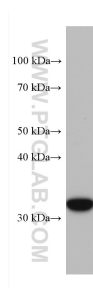
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

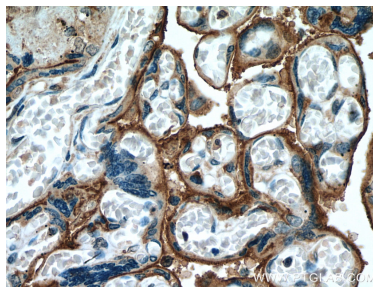
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

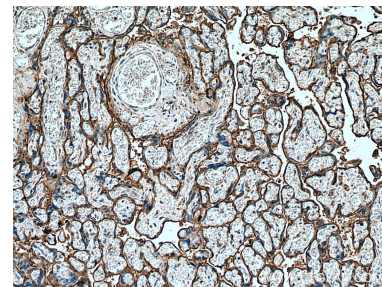
## Selected Validation Data



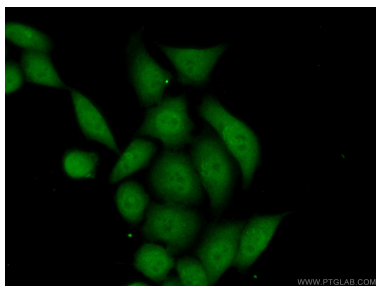
COLO 320 cells were subjected to SDS PAGE followed by western blot with 60288-2-Ig (Annexin IV antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 60288-2-Ig (Annexin IV antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 60288-2-Ig (Annexin IV antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde ) fixed HeLa cells using 60288-2-Ig(Annexin IV antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L).