

Annexin A4 Monoclonal antibody

Catalog Number: 60288-2-Ig

Basic Information

Catalog Number: 60288-2-Ig	GenBank Accession Number: BC000182	Purification Method: Protein A purification
Size: 3500 µg/ml	GeneID (NCBI): 307	CloneNo.: 1A10B5
Source: Mouse	UNIPROT ID: P09525	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800 IF/ICC 1:50-1:500
Isotype: IgG2c	Full Name: annexin A4	
Immunogen Catalog Number: AG0130	Calculated MW: 36 kDa Observed MW: 32 kDa	

Applications

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

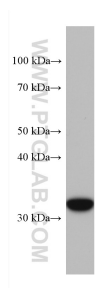
Background Information

Annexin A4 (Anxa4) is one of the Ca²⁺-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.

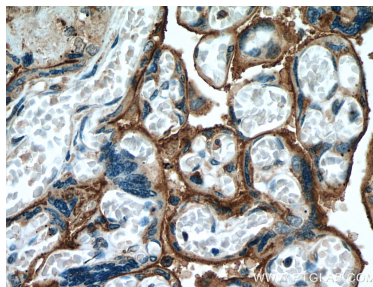
Storage

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

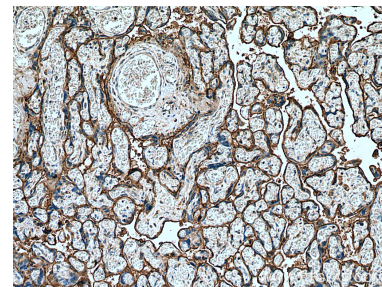
Selected Validation Data



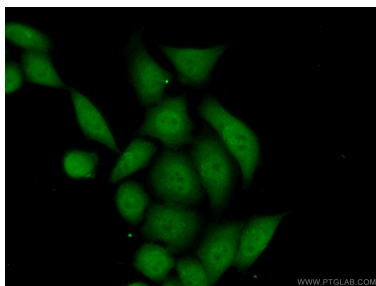
COLO 320 cells were subjected to SDS PAGE followed by western blot with 60288-2-Ig (Annexin IV antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Mouse IgG(H+L).