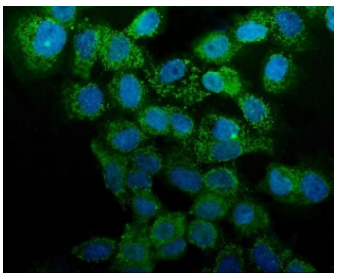
Annexin A1 Antibody (R30173)

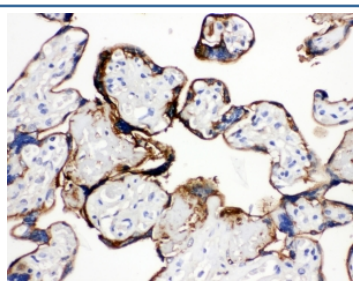
Catalog No.	Formulation	Size
R30173	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

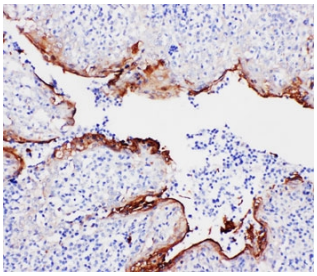
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P04083
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence (FFPE) : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Annexin A1 antibody is available for research use only.



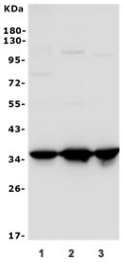
Immunofluorescent staining of FFPE human A431 cells with Annexin A1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



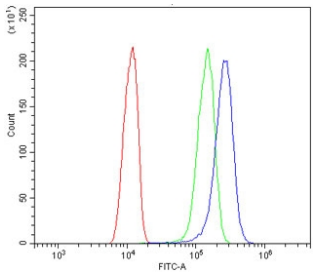
IHC-P: Annexin A1 antibody testing of human placenta tissue. HIER: steam section in pH6 citrate buffer for 20 min.



IHC-P: Annexin A1 antibody testing of human tonsil tissue. HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human K562 and 3) monkey COS-7 cell lysate with Annexin A1 antibody. Predicted molecular weight ~38 kDa.



Flow cytometry testing of human A431 cells with Annexin A1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Annexin A1 antibody.

Description

Annexin I, also known as lipocortin I (Lipo1), belongs to the family of annexins. These proteins are though to control the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes. In two lipocortins (I and II) a short amino-terminal sequence distinct from the core structure has potential regulatory functions which are dependent on its phosphorylation state. The gene in the mouse encodes a protein of 346 amino acid residues. Mouse Lipo1 gene spans about 17 kb and is divided into 13 exons. Annexin I gene, mapped to 9q11-q22, is located on mouse chromosome 19. Annexin I acts through the formyl peptide receptor on human neutrophils. Peptides derived from the unique N-terminal domain of annexin I serve as FPR ligands and trigger different signaling pathways in a dose-dependent manner.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Annexin A1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Annexin A1 (MVSEFLKQAWFIENEEQEYVQT) was used as the immunogen for this Annexin A1 antibody.

Storage

After reconstitution, the Annexin A1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.