



Annexin A1 mouse mAb

Catalog No	YP-Ab-03475
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB
Gene Name	anxa1
Immunogen	Purified recombinant human Annexin A1 beta protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Annexin A1 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALS23;ANX11;CAP50;CAP-50;IBMWMA;Annexin A11;Annexin I;anxa1;Annexin 1;Annexin A1;Annexin I (lipocortin I);Annexin-1;AnnexinA1;AnnexinI;ANX 1;ANX A1;ANX1;ANXA 1;ANXA1 protein;ANXA1_HUMAN;Calpactin 2;Calpactin II;Calpactin-2;CalpactinII;Chromobindin 9;Chromobindin-9;Chromobindin9;HGNC:533;Lipocortin 1;Lipocortin I;Lipocortin1;LipocortinI;LPC 1;LPC1;p35;Phospholipase A2 inhibitory protein.
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Nucleus . Cytoplasm . Cell projection, cilium . Cell membrane . Membrane ; Peripheral membrane protein . Endosome membrane ; Peripheral membrane protein . Basolateral cell membrane . Apical cell membrane . Lateral cell membrane . Secreted . Secreted, extracellular space . Cell membrane ; Peripheral membrane protein ; Extracellular side . Secreted, extracellular exosome . Cytoplasmic vesicle, secretory vesicle lumen . Cell projection, phagocytic cup . Early endosome . Cytoplasmic vesicle membrane ; Peripheral membrane protein . Secreted, at least in part via exosomes and other secretory vesicles. Detected in exosomes and other extracellular vesicles (PubMed:25664854). Alternatively, the secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in t



Tissue Specificity

Detected in resting neutrophils (PubMed:10772777). Detected in peripheral blood T-cells (PubMed:17008549). Detected in extracellular vesicles in blood serum from patients with inflammatory bowel disease, but not in serum from healthy donors (PubMed:25664854). Detected in placenta (at protein level) (PubMed:2532504). Detected in liver.

Function

domain: A pair of annexin repeats may form one binding site for calcium and phospholipid. function: Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity. PTM: Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7. Phosphorylation results in loss of the inhibitory activity. similarity: Belongs to the annexin family. similarity: Contains 1 annexin repeat. similarity: Contains 2 annexin repeats. similarity: Contains 4 annexin repeats. subcellular location: Found in the cilium, nucleus and basolateral cell membrane of ciliated cells in the tracheal endothelium (By similarity). Found in the cytoplasm of type II pneumocytes and alveolar macrophages. subunit: Homodimer in placenta (20%); linked by transglutamylation

Background

This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors. [provided by RefSeq, Dec 2014]

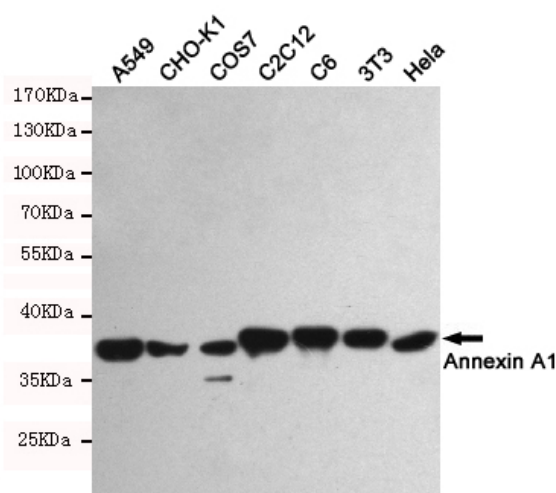
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of Annexin A1 in A549, CHO-K1, COS7, C2C12, C6, 3T3 and HeLa cell lysates using Annexin A1 mouse mAb (1:1000 diluted). Predicted band size: 38KDa. Observed band size: 38KDa.