

Annexin A1 mouse mAb

YM1434 Catalog No:

Human; Mouse; Rat; Monkey Reactivity:

Applications: WB

Target: Annexin I

Gene Name: anxa1

Human Gene Id: 301

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Purified recombinant human Annexin A1 beta protein fragments expressed in Immunogen:

E.coli.

P04083

P10107

This antibody detects endogenous levels of Annexin A1 and does not cross-**Specificity:**

react with related proteins.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Monoclonal, Mouse Source:

Dilution: wb dilution 1:1000

Purification: The antibody was affinity-purified from mouse ascites by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 38kD

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],

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 transglutamylat

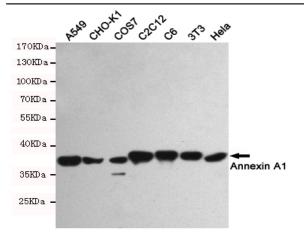
Subcellular Location:

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

Expression:

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.

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.