

**Annexin I (phospho Tyr21) Polyclonal Antibody**

<b>Catalog No :</b>	YP1201
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Annexin I
<b>Gene Name :</b>	ANXA1
<b>Protein Name :</b>	Annexin A1
<b>Human Gene Id :</b>	301
<b>Human Swiss Prot No :</b>	P04083
<b>Mouse Swiss Prot No :</b>	P10107
<b>Immunogen :</b>	Synthesized phospho-peptide around the phosphorylation site of human Annexin I (phospho Tyr21)
<b>Specificity :</b>	Phospho-Annexin I (Y21) Polyclonal Antibody detects endogenous levels of Annexin I protein only when phosphorylated at Y21.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	39kD

**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],

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**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

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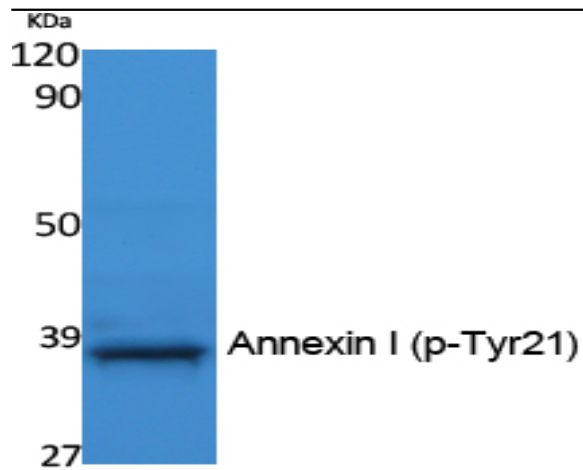
**Subcellular Location :** Nucleus . Cytoplasm . Cell projection, cilium . Cell membrane . Membrane ; Peripheral membrane protein . Endosome membrane ; Peripheral membrane protein . Basolateral cell membrane . Apical cell membrane . Lateral cell membrane . Secreted . Secreted, extracellular space . Cell 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

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**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.

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## Products Images



Western Blot analysis of extracts from NIH-3T3 cells, using Phospho-Annexin I (Y21) Polyclonal Antibody.