

**Annexin A1 (ABT182R) rabbit mAb**

<b>Catalog No :</b>	YM7013
<b>Reactivity :</b>	Human;(predicted: Mouse;Rat)
<b>Applications :</b>	IHC;WB; ELISA
<b>Target :</b>	Annexin I
<b>Gene Name :</b>	Annexin A1 (Annexin I) (Annexin-1) (Calpactin II) (Calpactin-2) (Chromobindin-9) (Lipocortin I) (Phospholipase A2 inhibitory protein) (p35)
<b>Protein Name :</b>	Annexin A1 (Annexin I) (Annexin-1) (Calpactin II) (Calpactin-2) (Chromobindin-9) (Lipocortin I) (Phospholipase A2 inhibitory protein) (p35)
<b>Human Gene Id :</b>	301
<b>Human Swiss Prot No :</b>	P04083
<b>Immunogen :</b>	Synthesized peptide derived from human Annexin A1 AA range:250-346
<b>Specificity :</b>	This antibody detects endogenous levels of Annexin I
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, Rabbit IgG1, Kappa
<b>Dilution :</b>	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	39kD
<b>Background :</b>	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

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**Subcellular Location :** Cytoplasmic, Nuclear

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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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