SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Annexin A1 antibody

Catalog Number: SL1562R

FOR RESEARCH USE ONLY

[DATASHEET]

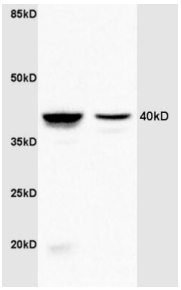
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Annexin A1
Immunogen:	KLH conjugated synthetic peptide derived from human Annexin A1: 281-346/346
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Rat, (predicted: Mouse, Pig, Cow, Horse, Rabbit)
Predicted MW.:	39kDa
Subcellular Location:	The nucleus cytoplasmic The cell membrane
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:** 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. **Subunit:** Homodimer in placenta (20%); linked by transglutamylation. Interacts with DYSF. **Subcellular Location:** Nucleus. Cytoplasm. Cell projection, cilium.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

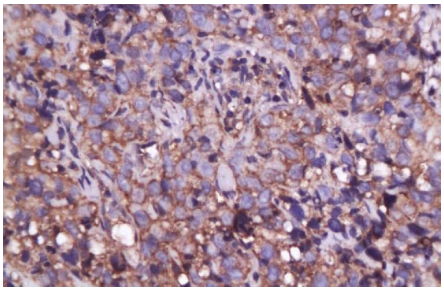
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	Basolateral cell membrane. Note=Found in the cilium, nucleus and basolateral cell membrane of ciliated cells in the tracheal endothelium. Found in the cytoplasm of type II pneumocytes and alveolar macrophages. **Post-translational modifications:** 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. Contains 4 annexin repeats. **Database links:** **Entrez Gene:** 301 Human **Entrez Gene:** 16952 Mouse **Entrez Gene:** 25380 Rat **SwissProt:** P04083 Human **SwissProt:** P10107 Mouse **SwissProt:** P07150 Rat

[VALIDATION IMAGES]



Sample:
Lane1: Kidney(Rat) Lysate at 30 ug
Lane2: Brain(Rat) Lysate at 30 ug
Primary: Anti-Annexin A1 (SL1562R) at 1:200 dilution;
Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL0295G-HRP) at 1: 3000 dilution;
Predicted band size : 39kD
Observed band size : 40kD



Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37 for 20 min;
Incubation: Anti-Annexin A1 Polyclonal Antibody, Unconjugated(SL1562R) 1:200, overnight at 4C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

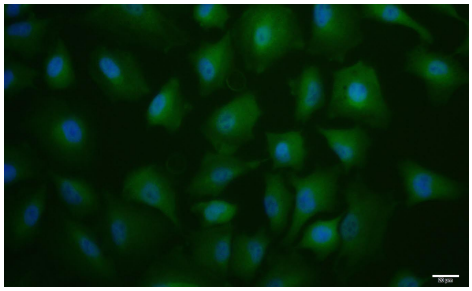
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A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Annexin A1) polyclonal Antibody, Unconjugated (SL1562R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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