

ARG64834 anti-Annexin A1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Annexin A1
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Annexin A1
Species	Human
Immunogen	CQAILDETKGDYEK
Conjugation	Un-conjugated
Alternate Names	ANX1; Calpactin II; Phospholipase A2 inhibitory protein; Chromobindin-9; LPC1; Annexin-1; Annexin A1; Lipocortin I; Annexin I; p35; Calpactin-2

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background

Annexin I belongs to a family of Ca²⁺-dependent phospholipid binding proteins which have a molecular weight of approximately 35,000 to 40,000 and are preferentially located on the cytosolic face of the plasma membrane. Annexin I protein has an apparent relative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity. Since phospholipase A2 is required for the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes, annexin I may have potential anti-inflammatory activity. [provided by RefSeq, Jul 2008]

Research Area
Calculated Mw
PTM

Signaling Transduction antibody

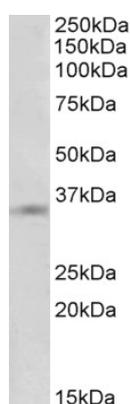
39 kDa

Phosphorylated by protein kinase C, EGFR and TRPM7 (PubMed:2457390, PubMed:15485879).

Phosphorylated in response to EGF treatment (PubMed:2532504).

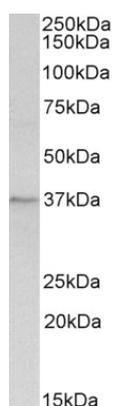
Sumoylated.

Images



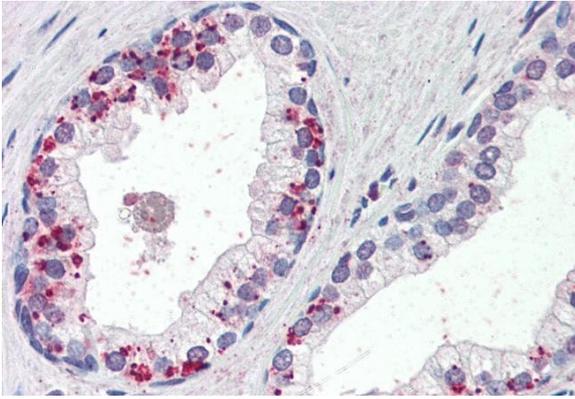
ARG64834 anti-Annexin A1 antibody WB image

Western blot: A431 lysate (35 µg protein in RIPA buffer) stained with ARG64834 anti-Annexin A1 antibody at 1 µg/ml dilution.



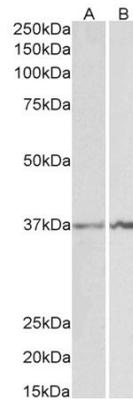
ARG64834 anti-Annexin A1 antibody WB image

Western blot: Rat Spleen lysate (35 µg protein in RIPA buffer) stained with ARG64834 anti-Annexin A1 antibody at 1 µg/ml dilution.



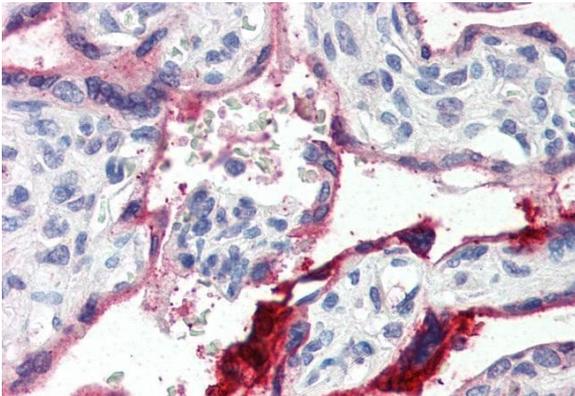
ARG64834 anti-Annexin A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64834 anti-Annexin A1 antibody at 4 µg/ml dilution followed by AP-staining.



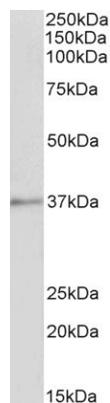
ARG64834 anti-Annexin A1 antibody WB image

Western blot: 35 µg of K562 (A) and NIH/3T3 (B) cell lysates (in RIPA buffer) stained with ARG64834 anti-Annexin A1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.



ARG64834 anti-Annexin A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64834 anti-Annexin A1 antibody at 4 µg/ml dilution followed by AP-staining.



ARG64834 anti-Annexin A1 antibody WB image

Western blot: 35 µg of Pig spleen lysate (in RIPA buffer) stained with ARG64834 anti-Annexin A1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.