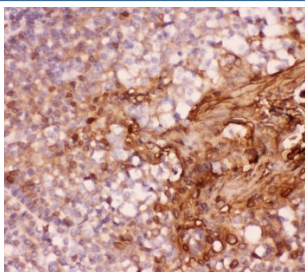


Annexin A1 Antibody (R31548)

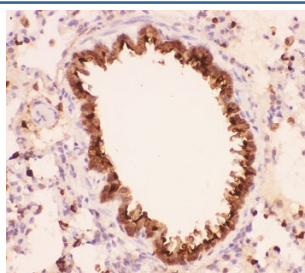
Catalog No.	Formulation	Size
R31548	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

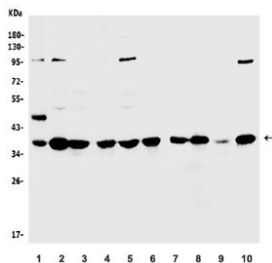
Availability	1-3 business days
Species Reactivity	Human, Monkey, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	301
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Annexin A1 antibody is available for research use only.



IHC-P: Annexin A1 antibody testing of human tonsil tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC-P: Annexin A1 antibody testing of rat lung tissue. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human K562, 3) monkey COS-7, 4) human A549, 5) human PC-3, 6) human U-2 OS, 7) rat spleen, 8) rat lung, 9) rat kidney, and 10) rat C6 lysate with Annexin A1 antibody. Predicted molecular weight ~38 kDa.

Description

ANXA1, also known as Lipocortin I or Annexin A1, is a protein that in humans is encoded by the ANXA1 gene. It is mapped to 9q21.13. It belongs to a family of Ca(2+)-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. ANXA1 protein has an apparent relative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity. Lower peptide concentrations possibly found in inflammatory situations elicit Ca(2+) transients without fully activating the mitogen-activated protein kinase pathway. This causes a specific inhibition of the transendothelial migration of neutrophils and a desensitization of neutrophils toward a chemoattractant challenge. These findings identified ANXA1 peptides as novel, endogenous FPR ligands and established a mechanistic basis of ANXA1-mediated antiinflammatory effects.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Annexin A1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 2-346) was used as the immunogen for this Annexin A1 antibody.

Storage

After reconstitution, the Annexin A1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.