

Anti-Annexin A1/ANXA1 Antibody (Monoclonal, 34A33)

Catalog Number: M01451-4

About ANXA1

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. ANXA1 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.

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Overview

Product Name	Anti-Annexin A1/ANXA1 Antibody (Monoclonal, 34A33)
Reactive Species	Human
Description	Boster Bio Anti-Annexin A1/ANXA1 Antibody (Monoclonal, 34A33) catalog # M01451-4. Tested in IHC, IF applications. This antibody reacts with Human.
Application	IF, IHC
Clonality	Monoclonal 34A33
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04083

Technical Details

Immunogen	Recombinant protein within human Annexin A1 aa 3-98.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Immunohistochemistry, 1:50-200 Immunofluorescence, 1:50-200

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For Research Use Only. Not for use in diagnostic procedures.