5 Lipoxygenase Antibody

Catalog No: #48248

Package Size: #48248-1 50ul #48248-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

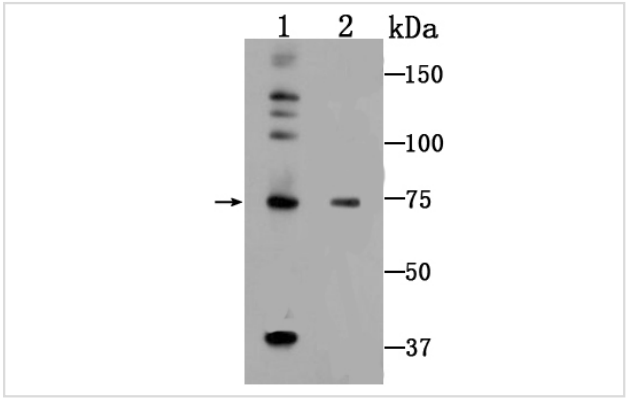
Description

Product Name	5 Lipoxygenase Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified.
Applications	WB
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Peptide.
Other Names	5 LO antibody 5 LOX antibody 5-lipoxygenase antibody 5-LO antibody 5-LOX antibody 5LOX antibody 5LPG antibody ALOX 5 antibody Alox5 antibody Arachidonate 5 lipoxygenase antibody Arachidonate 5-lipoxygenase antibody arachidonic 5-lipoxygenase alpha-10 isoform antibody arachidonic 5-lipoxygenase delta-10-13 isoform antibody arachidonic 5-lipoxygenase delta-13 isoform antibody arachidonic 5-lipoxygenase delta-p10 isoform antibody Arachidonic acid 5 lipoxygenase antibody Leukotriene A4 synthase antibody LOG 5 antibody LOG5 antibody LOX5_HUMAN antibody MGC163204 antibody
Accession No.	Swiss-Prot#:P09917
Uniprot	P09917
GeneID	240;
Calculated MW	78 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1,000

Images



Western blot analysis of 5-lipoxygenase on Hela (1) and Jurkat (2) lysates using anti-5-lipoxygenase antibody at 1/1,000 dilution.

Background

5-lipoxygenase (5-LO) is expressed primarily in polymorphonuclear leukocytes, macrophages, and mast cells. 5-LO performs the first two catalytic reactions in the biosynthesis of leukotrienes, lipid metabolites that induce contractions of airway smooth muscle and increase vascular permeability during anaphylaxis. The cellular localization of 5-LO varies between cell types. In activated blood polymorphonuclear leukocytes 5-LO undergoes calcium dependent translocation from the cytosol to the nuclear envelope. In alveolar macrophages, the majority of 5-LO is localized in the nucleus and, upon activation of these cells, intranuclear 5-LO binds to the nuclear membrane. This intracellular shuttling of 5-LO is dependent on the association with various signaling molecules, phosphorylation and the presence of a distinct

References

Note: This product is for in vitro research use only