

Rabbit ALOX5AP Polyclonal Antibody | anti-ALOX5AP antibody

ALOX5AP Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285185	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Pig, Rabbit, Rat)	Immunohistochemistry, ELISA, Western Blot

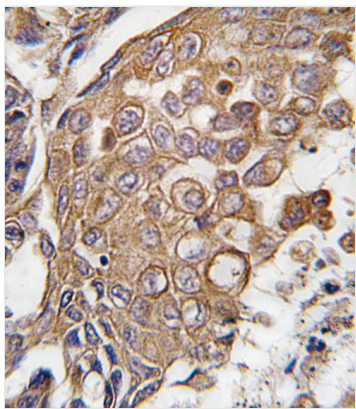
PRODUCT SYNONYMS

ALOX5AP; Polyclonal Antibody; ALOX5AP Antibody (Center); Arachidonate 5-lipoxygenase-activating protein; FLAP; MK-886-binding protein; anti-ALOX5AP antibody

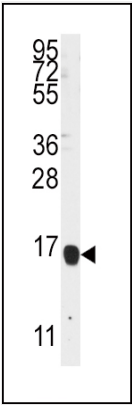
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Pig, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ALOX5AP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-117 amino acids from the Central region of human ALOX5AP.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	86-117
Sequence Length	161
Applicable Applications for anti-ALOX5AP antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Function	Required for leukotriene biosynthesis by ALOX5 (5- lipoxygenase). Anchors ALOX5 to the membrane. Binds arachidonic acid, and could play an essential role in the transfer of arachidonic acid to ALOX5. Binds to MK-886, a compound that blocks the biosynthesis of leukotrienes.
Cellular Location	Nucleus membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 Weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with ALOX5AP antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-ALOX5AP Antibody (Center) in K562 cell line lysates (35ug/lane). ALOX5AP (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ALOX5AP antibody	ALOX5AP is a protein which, with 5-lipoxygenase, is required for leukotriene synthesis. Leukotrienes are arachidonic acid metabolites which have been implicated in various types of inflammatory responses, including asthma, arthritis and psoriasis. This protein localizes to the plasma membrane. Inhibitors of its function impede translocation of 5-lipoxygenase from the cytoplasm to the cell membrane and inhibit 5-lipoxygenase activation.
Product Categories/Family for anti-ALOX5AP antibody	Cardiovascular; Metabolism
References	Zintzaras,E., Am. J. Epidemiol. 169 (5), 523-532 (2009) Crosslin,D.R., Hum. Genet. 125 (2), 217-229 (2009) Steinhilber,D., Pharm Acta Helv 69 (1), 3-14 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	324711029
NCBI GeneID	241
NCBI Accession #	NP_001191335.1; NP_001620.2
NCBI GenBank Nucleotide #	NM_001204406.1
UniProt Accession #	P20292; Q5VV04
Molecular Weight	18157
NCBI Official Full Name	arachidonate 5-lipoxygenase-activating protein isoform 2
NCBI Official Synonym Full Names	arachidonate 5-lipoxygenase-activating protein
NCBI Official Symbol	ALOX5AP
NCBI Official Synonym Symbols	FLAP
NCBI Protein Information	arachidonate 5-lipoxygenase-activating protein
UniProt Protein Name	Arachidonate 5-lipoxygenase-activating protein
UniProt Gene Name	ALOX5AP
UniProt Synonym Gene Names	FLAP
UniProt Entry Name	AL5AP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alox5ap-antibody-immunohistochemistry-western-blot-elisa/285185>