10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

ALOX5AP Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7897c

Specification

ALOX5AP Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P20292
Other Accession	P20291, P30357, P30356, P30355, Q2PG08, Q148F2, P30358
Reactivity	**Human**
Predicted	**Bovine, Monkey, Mouse, Pig, Rabbit, Rat, Sheep**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**18157**
Antigen Region	**86-117**

ALOX5AP Antibody (Center) - Additional Information

Gene ID 241

Other Names
Arachidonate 5-lipoxygenase-activating protein, FLAP, MK-886-binding protein, ALOX5AP, FLAP

Target/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.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ALOX5AP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ALOX5AP Antibody (Center) - Protein Information

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Name ALOX5AP

Synonyms FLAP

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.

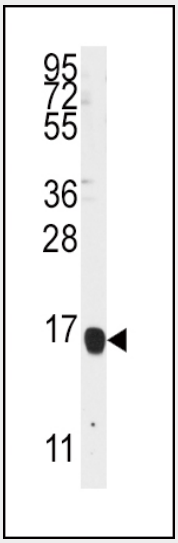
Cellular Location
Nucleus membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

ALOX5AP Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

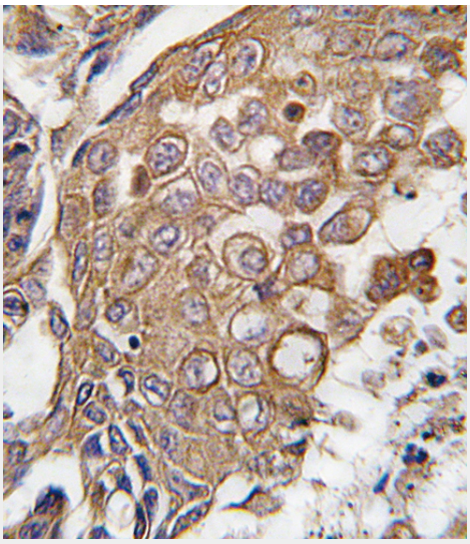
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ALOX5AP Antibody (Center) - Images



Western blot analysis of anti-ALOX5AP Antibody (Center) (Cat.#AP7897c) in K562 cell line lysates (35ug/lane). ALOX5AP(arrow) was detected using the purified Pab.

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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.

ALOX5AP Antibody (Center) - Background

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.

ALOX5AP Antibody (Center) - 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)