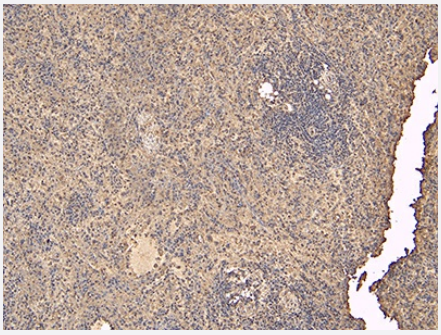
ALOX5AP polyclonal antibody

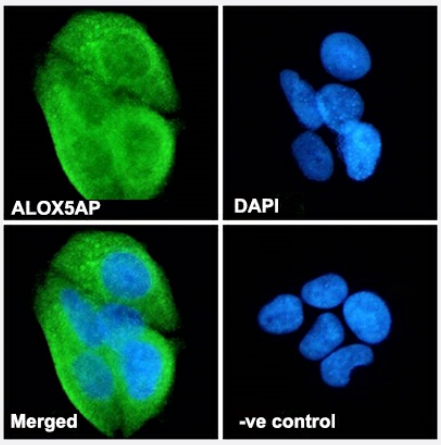
Catalog # PAB6646 Size 100 ug

Applications



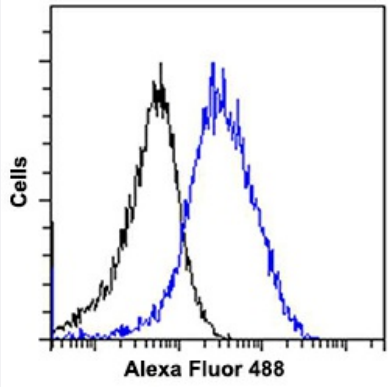
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

ALOX5AP polyclonal antibody (Cat # PAB6646) (6 ug/mL) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunofluorescence

ALOX5AP polyclonal antibody (Cat # PAB6646) Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing strong endplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Flow Cytometry

ALOX5AP polyclonal antibody (Cat # PAB6646) Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ALOX5AP.
Immunogen	A synthetic peptide corresponding to human ALOX5AP.
Sequence	C-KTISTTISPLLLIP
Host	Goat
Theoretical MW (kDa)	18.2
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:16000) Flow Cytometry (10 ug/mL) Immunohistochemistry (6 ug/mL) Immunofluorescence (10 ug/mL) Western blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

ALOX5AP polyclonal antibody (Cat # PAB6646) Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing strong endplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

ALOX5AP polyclonal antibody (Cat # PAB6646) Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Gene Info — ALOX5AP

Entrez GeneID	241
Protein Accession#	NP_001620
Gene Name	ALOX5AP
Gene Alias	FLAP
Gene Description	arachidonate 5-lipoxygenase-activating protein
Omim ID	601367 603700
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein which, with 5-lipoxygenase, is required for leukotriene synthesis. Leu kotrienes are arachidonic acid metabolites which have been implicated in various types of inflam matory 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. [provided by RefSeq
Other Designations	MK-886-binding protein|OTTHUMP00000018204|five-lipoxygenase activating protein

Publication Reference

- Celecoxib inhibits 5-lipoxygenase.

  Maier TJ, Tausch L, Hoernig M, Coste O, Schmidt R, Angioni C, Metzner J, Groesch S, Pergola C, Steinhilber D, Werz O, Geisslinger G.

  Biochemical Pharmacology 2008 Oct; 76(7):862.

  Application: WB-Tr, Human, HeLa cells

Disease

- Acute Disease
- Alzheimer disease
- Arteriosclerosis
- Asthma
- Atherosclerosis
- Birth Weight
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Calcinosis
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chronic Disease
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis

- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Drug Hypersensitivity
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Graft Occlusion
- Hyperlipoproteinemia Type II
- Hypersensitivity
- Hypertension
- Inflammation
- Intracranial Arteriosclerosis
- Ischemia
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Myocardial Infarction
- Neoplasms
- Osteoporosis
- Rhinitis
- Sinusitis
- Stroke
- Tobacco Use Disorder

- Werner syndrome
- Xanthomatosis