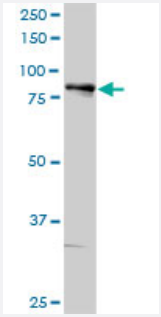
MaxPab®

ALOX5 purified MaxPab rabbit polyclonal antibody (D01P)

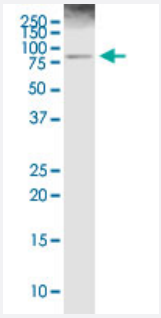
Catalog # H00000240-D01P Size 100 ug

Applications



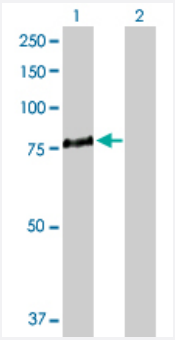
Western Blot (Tissue lysate)

ALOX5 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALOX5 expression in mouse spleen.



Western Blot (Cell lysate)

ALOX5 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALOX5 expression in C32.



Western Blot (Transfected lysate)

Western Blot analysis of ALOX5 expression in transfected 293T cell line (H00000240-T02) by ALOX5 MaxPab polyclonal antibody.

Lane 1: ALOX5 transfected lysate(78.00 KDa).
Lane 2: Non-transfected lysate.

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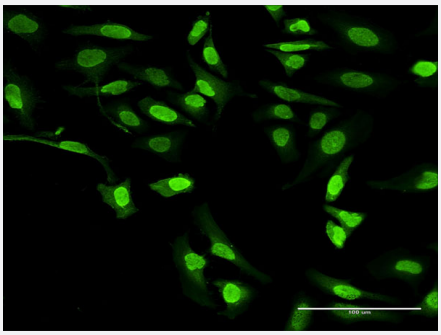

Immunofluorescence

Immunofluorescence of purified MaxPab antibody to ALOX5 on HeLa cell. [antibody concentration 30 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ALOX5 protein.
Immunogen	ALOX5 (NP_000689.1, 1 a.a. ~ 674 a.a) full-length human protein.
Sequence	MPSYTVTVATGSQWFAGTDDYIYLSLVGSAGCSEKHLLDKPFYNDFERGAVDSYDVTVDEELGEI QLVRIEKRKYWLNDDWYLKYITLKTPHGDYIEFPCYRWITGDVEVVLRDGRAKLARDDQIHILKQHR RKELETRQKQYRWMEWNPGFPLSIDAKCHKDLPRDIQFDSEKGVDFVLNYSKAMENLFINRFMH MFQSSWNDFADFEKIFVKISNTISERVMNHWQEDLMFGYQFLNGCNPVLIRRCTELPEKLPVTTE MVECSLERQLSLEQEVQQGNIFIVDFELLDGIDANKTDPCTLQFLAAPICLLYKNLANKIVPIAIQLNQ IPGDENPIFLPSDAKYDWLLAKIWVRSSDFHVHQTITHLLRTHLVSEVFGIAMYRQLPAVHPIFKLLV AHVRFTIAINTKAREQLICECGLFDKANATGGGGHVQMVQRAMKDLTYASLCFPEAIKARGMESK EDIPYYFYRDDGLLVWEAIRTFTAEVVDIYYEGDQVVEEDPELQDFVNDVYVYGMRGRKSSGFPK SVKSREQLSEYLTVVIFTASAQHAAVNFGQYDWCSWIPNAPPTMRAPPPTAKGVVTIEQIVDTLPD RGRSCWHLGAVWALSQFQENELFLGMYPEEHFIEKPVKEAMARFRKNLEAIVSVIAERNKKKQLP YYYLSPDRIPNSVAI
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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- Western Blot (Tissue lysate)

  ALOX5 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALOX5 expression in mouse spleen.

  Protocol Download

- Western Blot (Cell lysate)

  ALOX5 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALOX5 expression in C32.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of ALOX5 expression in transfected 293T cell line (H00000240-T02) by ALOX5 MaxPab polyclonal antibody.

  Lane 1: ALOX5 transfected lysate(78.00 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to ALOX5 on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — ALOX5

Entrez GeneID	240
GeneBank Accession#	NM_000698.2
Protein Accession#	NP_000689.1
Gene Name	ALOX5
Gene Alias	5-LO, 5-LOX, 5LPG, LOG5, MGC163204
Gene Description	arachidonate 5-lipoxygenase
Omim ID	152390 600807
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a member of the lipoxygenase gene family and plays a dual role in the synthes is of leukotrienes from arachidonic acid. The encoded protein, which is expressed specifically in bone marrow-derived cells, catalyzes the conversion of arachidonic acid to 5(S)-hydroperoxy-6-tr ans-8,11,14-cis-eicosatetraenoic acid, and further to the allylic epoxide 5(S)-trans-7,9-trans-11,1 4-cis-eicosatetrenoic acid (leukotriene A4). Leukotrienes are important mediators of a number of inflammatory and allergic conditions. Mutations in the promoter region of this gene lead to a dimin ished response to antileukotriene drugs used in the treatment of asthma and may also be associa ted with atherosclerosis and several cancers. Alternatively spliced transcript variants have been o bserved, but their full-length nature has not been determined. [provided by RefSeq
Other Designations	OTTHUMP00000019502|arachidonic acid 5-lipoxygenase|leukotriene A4 synthase

Pathway

- Arachidonic acid metabolism
- Linoleic acid metabolism
- Metabolic pathways

Disease

- Acute Disease
- Adenocarcinoma
- Adenoma
- Adenomatous Polyps
- Alzheimer disease
- Asthma
- Atherosclerosis
- Birth Weight
- Bronchial Hyperreactivity
- Bronchiolitis
- Calcinosis
- Cardiovascular Diseases
- Carotid Artery Diseases

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- Carotid Stenosis
- Cerebral Hemorrhage
- Cerebrovascular Accident
- Chronic Disease
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Artery Disease
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Drug Hypersensitivity
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hyperhomocysteinemia
- Hyperlipidemias
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Intracranial Hemorrhages
- Kidney Diseases

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- Kidney Failure
- Leukemia
- Lung Neoplasms
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Multiple Sclerosis
- Myocardial Infarction
- Narcolepsy
- Neoplasms
- Osteoporosis
- Prostatic Neoplasms
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Rhinitis
- Sinusitis
- Stroke
- Subarachnoid Hemorrhage
- Tuberculosis
- Urinary Bladder Neoplasms
- Urticaria
- Werner syndrome

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