

Datasheet for ABIN3016895

anti-ALOX5 antibody

5 Images

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Overview

Quantity:	100 µL
Target:	ALOX5
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ALOX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human ALOX5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ALOX5
Alternative Name:	ALOX5 (ALOX5 Products)
Background:	This gene encodes a member of the lipoxygenase gene family and plays a dual role in the synthesis of leukotrienes from arachidonic acid. The encoded protein, which is expressed

Target Details

specifically in bone marrow-derived cells, catalyzes the conversion of arachidonic acid to 5(S)-hydroperoxy-6-trans-8,11,14-cis-eicosatetraenoic acid, and further to the allylic epoxide 5(S)-trans-7,9-trans-11,14-cis-eicosatetraenoic 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 diminished response to antileukotriene drugs used in the treatment of asthma and may also be associated with atherosclerosis and several cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012],5-LO, 5-LOX, 5LPG, LOG5,Cancer,Cardiovascular,Cardiovascular diseases,Cardiovascular diseases_Heart disease,Endocrine & Metabolism,Heart,Lipid Metabolism,Protein phosphorylation,Signal Transduction,ALOX5

Molecular Weight: 78 kDa

Gene ID: 240

UniProt: [P09917](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

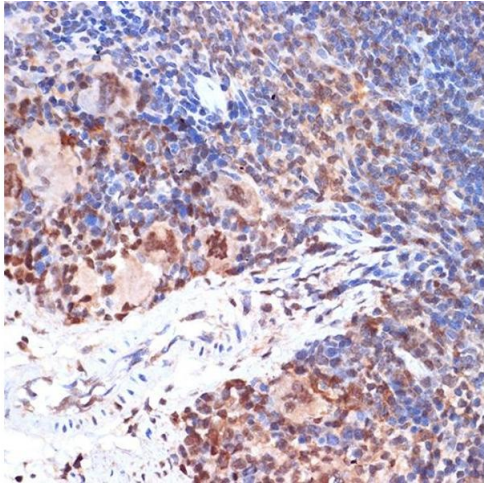
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

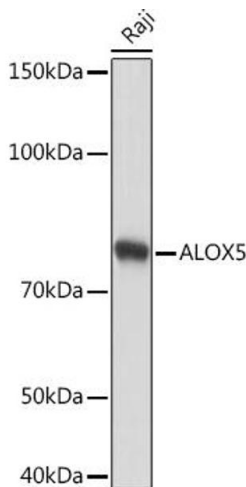
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



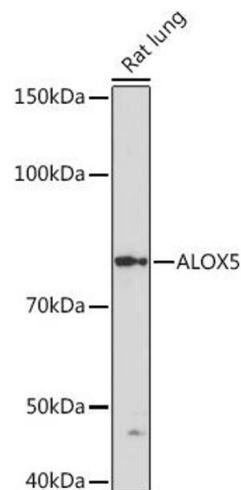
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse spleen using Rabbit mAb (ABIN3016894, ABIN3016895, ABIN3016896, ABIN1679361 and ABIN1679362) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Raji cells, using Rabbit mAb (ABIN3016894, ABIN3016895, ABIN3016896, ABIN1679361 and ABIN1679362) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western Blotting

Image 3. Western blot analysis of extracts of Rat lung, using Rabbit mAb (ABIN3016894, ABIN3016895, ABIN3016896, ABIN1679361 and ABIN1679362) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3016895.