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Datasheet for ABIN7260245 anti-ALOX5 antibody

2 Images



#### Overview

Quantity:	200 µL
Target:	ALOX5
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX5 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein of human ALOX5 (NP_000689.1).
lsotype:	lgG
Characteristics:	Polyclonal Antibody
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
	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)-

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	trans-7,9-trans-11,14-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 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.
Gene ID:	240
UniProt:	P09917

## Application Details

Storage:

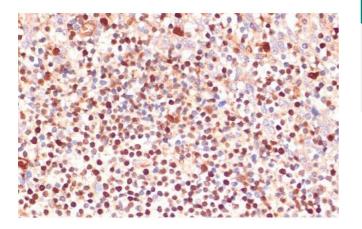
Storage Comment:

Application Notes:	IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 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.

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

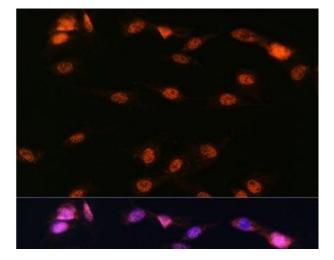
-20 °C

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#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human tonsil using ALOX5 Polyclonal Antibody at dilution of 1:100 (40x lens).



#### Immunofluorescence

**Image 2.** Immunofluorescence analysis of C6 cells using ALOX5 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

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