

Datasheet for ABIN743530

**anti-ALOX5 antibody (pSer271) (Biotin)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	ALOX5
Binding Specificity:	pSer271
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX5 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from rat 5-Lipoxygenase around the phosphorylation site of Ser271
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

## Target Details

Target:	ALOX5
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## Target Details

Alternative Name:	5-Lipoxygenase ( <a href="#">ALOX5 Products</a> )
Background:	<p>Synonyms: 5-lipoxygenase, 5 LO, 5LPG, ALOX 5, ALOX5, Arachidonate 5 lipoxygenase, Arachidonic acid 5 lipoxygenase, Leukotriene A4 synthase, LOG 5, LOG5, MGC163204, LOX5_HUMAN.</p> <p>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)-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 have been observed, but their full-length nature has not been determined.</p>
Gene ID:	240

## Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

## Handling

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Expiry Date: 12 months