

Datasheet for ABIN7144534
anti-ALOX15B antibody (AA 1-676)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ALOX15B
Binding Specificity:	AA 1-676
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX15B antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Arachidonate 15-lipoxygenase B protein (1-676AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ALOX15B
Alternative Name:	ALOX15B (ALOX15B Products)
Background:	Background: Non-heme iron-containing dioxygenase that catalyzes the stereo-specific peroxidation of free and esterified polyunsaturated fatty acids generating a spectrum of

Target Details

bioactive lipid mediators. Converts arachidonic acid to 15S-hydroperoxyeicosatetraenoic acid/(15S)-HPETE. Also acts on linoleic acid to produce 13-hydroxyoctadecadienoic acid/13-HPODE. Has no detectable 8S-lipoxygenase activity but reacts with (8S)-HPETE to produce (8S,15S)-diHPETE. May regulate progression through the cell cycle and cell proliferation. May also regulate cytokine secretion by macrophages and therefore play a role in the immune response. May also regulate macrophage differentiation into proatherogenic foam cells.

Aliases: 15 Lipoxygenase 2 antibody, 15 LO 2 antibody, 15 LOX 2 antibody, 15-lipoxygenase 2 antibody, 15-LOX-2 antibody, 15-LOX-B antibody, Alox15b antibody, Arachidonate 15 lipoxygenase second type antibody, Arachidonate 15 lipoxygenase type II antibody, Arachidonate 15-lipoxygenase B antibody, Arachidonate 15-lipoxygenase type II antibody, LX15B_HUMAN antibody

UniProt: [O15296](#)

Application Details

Application Notes: Recommended dilution:IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

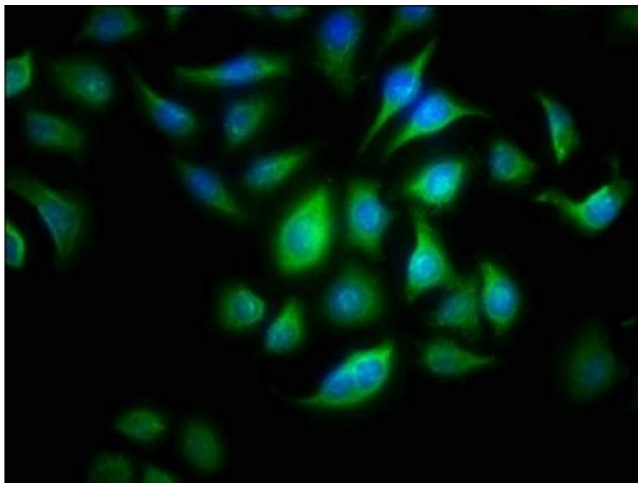
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of A549 cells with ABIN7144534 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).