

ALOX15B Antibody



PACO24880

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000,
IF:1:50-1:200

Protein Background:

Non-heme iron-containing dioxygenase that catalyzes the stereo-specific peroxidation of free and esterified polyunsaturated fatty acid, generating a spectrum of 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.

Gene ID:

ALOX15B

Uniprot

O15296

Synonyms:

Arachidonate 15-lipoxygenase B (15-LOX-B) (EC 1.13.11.33) (15-lipoxygenase 2) (15-LOX-2) (Arachidonate 15-lipoxygenase type II) (Linoleate 13-lipoxygenase 15-LOb) (EC 1.13.11. -), ALOX15B

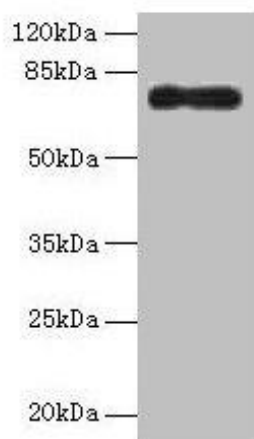
Immunogen:

Recombinant Human Arachidonate 15-lipoxygenase B protein (1-676AA).

Storage:

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

Product Images



Western blot

All lanes: ALOX15B antibody at 16 μ g/ml + HepG2 whole cell lysate

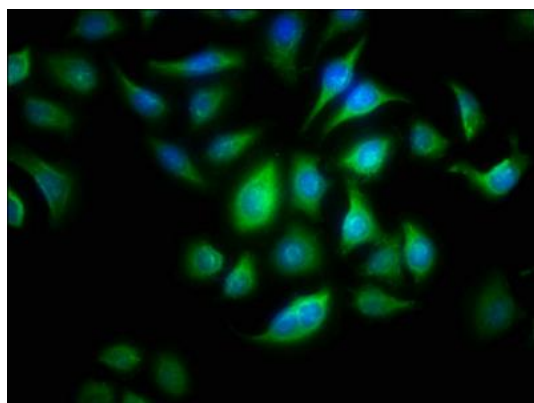
Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 76, 68, 70, 73 kDa

Observed band size: 76 kDa

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Immunofluorescence staining of A549 cells with PACO24880 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).