

# ALOX12B Antibody, FITC conjugated



PACO62225

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA

**Recommended dilutions:****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. Mainly converts arachidonic acid, to (12R)-hydroperoxyeicosatetraenoic acid, (12R)-HPETE and minor stereoisomers. In the skin, acts upstream of ALOXE3 on the lineolate moiety of esterified omega-hydroxyacyl-sphingosine (EOS) ceramides to produce an epoxy-ketone derivative, a crucial step in the conjugation of omega-hydroxyceramide to membrane proteins. Therefore plays a crucial role in the synthesis of corneocytes lipid envelope and the establishment of the skin barrier to water loss. May also play a role in the regulation of the expression of airway mucins.

**Gene ID:**

ALOX12B

**Uniprot**

O75342

**Synonyms:**

Arachidonate 12-lipoxygenase, 12R-type (12R-LOX) (12R-lipoxygenase) (EC 1.13.11) (Epidermis-type lipoxygenase 12), ALOX12B

**Immunogen:**

Recombinant Human Arachidonate 12-lipoxygenase, 12R-type protein (484-663AA).

**Storage:**

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

## Product Images

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N/A

N/A