

ALOX12B Antibody, Biotin conjugated



PACO62226

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

N/A

N/A