

ALOXE3 Conjugated Antibody

Catalog No: #C31809



Package Size: #C31809-AF350 100ul #C31809-AF405 100ul #C31809-AF488 100ul
 #C31809-AF555 100ul #C31809-AF594 100ul #C31809-AF647 100ul
 #C31809-AF680 100ul #C31809-AF750 100ul #C31809-Biotin 100ul

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Description

Product Name	ALOXE3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Fusion protein of human ALOXE3
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Target Name	ALOXE3
Other Names	ARCI3; E-LOX; eLOX3; eLOX-3
Accession No.	Swiss-Prot#: O00154NCBI Protein#: BC104724
Uniprot	O00154
GeneID	11332;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	80 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at -20°C/1 year

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Background

This gene is a member of the lipoxygenase family, which are catabolized by arachidonic acid-derived compounds. The encoded enzyme is a hydroperoxide isomerase that synthesizes a unique type of epoxy alcohol (8R-hydroxy-11R,12R-epoxyeicosa-5Z,9E,14Z-trienoic acid) from 12R-hydroperoxyeicosatetraenoic acid (12R-HPETE). This epoxy alcohol can activate the the nuclear receptor peroxisome proliferator-activated receptor alpha (PPARalpha), which is implicated in epidermal differentiation. Loss of function of the enzyme encoded by this gene results in ichthyosis, implicating the function of this gene in the differentiation of human skin. This gene is part of a cluster of lipoxygenase genes on 17p13.1. Mutations in this gene result in nonbullous congenital ichthyosiform erythroderma (NCIE). Multiple transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only