

Product datasheet for TA364589

ALOXE3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse kidney tissue lysate
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ALOXE3
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	80 kDa
Gene Name:	arachidonate lipoxygenase 3
Database Link:	<u>Entrez Gene 59344 Human</u> <u>Q9BYJ1</u>

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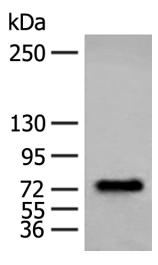
GRIGENE ALOXE3 Rabbit Polyclonal Antibody – TA364589

Background: This gene is a member of the lipoxygenase family, which are catabolized by arachidonic acidderived 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.

Synonyms:

E-LOX; e-LOX-3; eLOX3; MGC119694; MGC119695; MGC119696

Product images:



Gel: 6%SDS-PAGE Lysate: 40 µg Lane: Mouse kidney tissue lysate Primary antibody: TA364589 (ALOXE3 Antibody) at dilution 1/200 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 50 seconds

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