

Datasheet for ABIN950356

anti-ALOXE3 antibody (Middle Region)



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1 Image

Overview

Quantity:	0.4 mL
Target:	ALOXE3
Binding Specificity:	AA 230-260, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOXE3 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 230-260 amino acids from the Central region of human ALOXE3
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ALOXE3.
Cross-Reactivity (Details):	Species reactivity (tested): Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ALOXE3
Alternative Name:	ALOXE3 (ALOXE3 Products)

Target Details

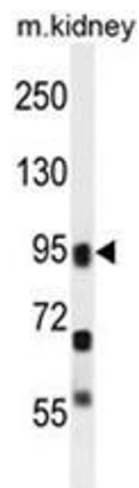
Background:	ALOXE3 is a member of the lipoxygenase family, which are catabolized by arachidonic acid-derived compounds. The encoded enzyme is a hydroperoxide isomerase that synthesizes a unique type of epoxy alcohol (8R-hydroxy-11R,12R-epoxyeicosa-5Z,9E,14Z-trienoic acid) from 12R-hydroperoxyeicosatetraenoic 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.Synonyms: Epidermis-type lipoxygenase 3, e-LOX-3, eLOX3
Gene ID:	59344
NCBI Accession:	NP_001159432
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. ALOXE3 Antibody (Center) western blot analysis in mouse kidney tissue lysates (35µg/lane). This demonstrates the ALOXE3 antibody detected the ALOXE3 protein (arrow).