

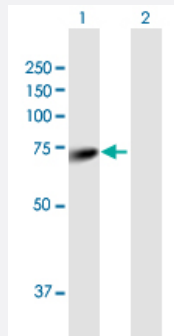
MaxPab®

ALOXE3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00059344-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ALOXE3 expression in transfected 293T cell line ([H00059344-T01](#)) by ALOXE3 MaxPab polyclonal antibody.

Lane 1: ALOXE3 transfected lysate(80.5 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ALOXE3 protein.

Immunogen

ALOXE3 (AAI01939.1, 1 a.a. ~ 711 a.a) full-length human protein.

Sequence

MAVYRLCVTTGPYLRAGTLDNISVTLVGTCGESPKQRLDRMGRDFAPGSVQKYKVRCTAELGELL
LLRVHKEYAFFRKDSWYCSRICVTEPDGSVSHFPCYQWIEGYCTVELRPGTARTICQDSLPLLLD
HRTRELRARQECYRWKIYAPGFPCMVVDVNSFQEMESDKKFALTKTTTCVDQGDSSGNRYLPGF
MKIDIPSLMYMEPNVRYSATKTISLLFNAIPASLGMKLRGLLDRKGSWKKLDDMQNIFWCHKTF
YVTEHWCEDHFFGYQYLNGVNPVMLHCISLPSKLPVTNDMVAPLLGQDTCQLQTELERGNIFLAD
YWLAEAPTHCLNGRQQYVAAPLCLLWLSPQGALVPLAIQLSQTPGPDSPIFLPTDSEWDWLLAK
TWVRNSEFLVHENNTHFLCTHLLCEAFAMATLRQLPLCHPYKLLLPHTRYTLQVNTIARATLLNPE
GLVDQVTSIGRQGLMYLMSTGLAHFTYTNFCLPDSLARGVLAIPNYHYRDDGLKIWAIESFVSEI
GYYPSDASVQQDSELQAWTGEIFAQAFLGRESSGFPSRLCTPGEMVKFLTAIFNCSAQHAAVN
SGQHDFGAWMPNAPSSMRQPPQTKGTTTLKTYLDTLPEVNISCNNLLFWLVSQEPKQDRPLG
TYPDEHFTEEAPRRSIAAFQSRLAQISRDIQERNQGLALPYTYLDPPLIENSVSI

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (88); Rat (87)

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ALOXE3

Entrez GeneID	59344
GeneBank Accession#	BC101938.1
Protein Accession#	AAI01939.1
Gene Name	ALOXE3
Gene Alias	E-LOX, MGC119694, MGC119695, MGC119696, eLOX3
Gene Description	arachidonate lipoxygenase 3
Omim ID	242100 607206
Gene Ontology	Hyperlink

Gene Summary	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 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
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Other Designations	epidermal lipoxygenase lipoxygenase-3
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Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
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- [Glioma](#)
- [Ichthyosiform Erythroderma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
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- [Ovarian cancer](#)
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