

Rabbit ALOXE3 Polyclonal Antibody | anti-ALOXE3 antibody

ALOXE3 Polyclonal Antibody

CATALOG # AAA280511	HOST Rabbit	APPLICATIONS Western Blot
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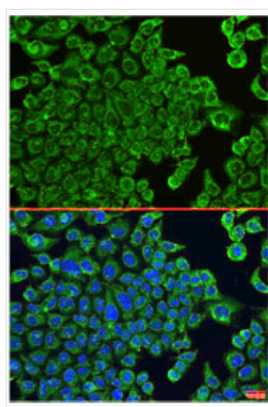
PRODUCT SYNONYMS

ALOXE3; Polyclonal Antibody; ALOXE3 Polyclonal Antibody; anti-ALOXE3 antibody

PRODUCT SPECIFICATIONS

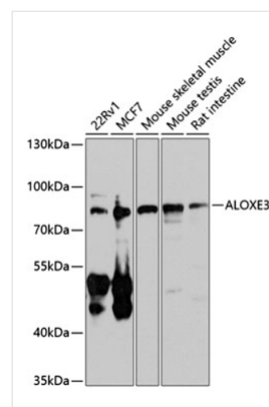
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% Glycerol, pH 7.3.
Sequence Length	843
Applicable Applications for anti-ALOXE3 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human ALOXE3 (NP_067641.2).
Cross Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using ALOXE3 antibody (AAA280511) at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ALOXE3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-ALOXE3 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260166612
NCBI GeneID	59344
NCBI Accession #	NP_067641.2
NCBI GenBank Nucleotide #	NM_001165960.1
UniProt Accession #	Q9BYJ1; Q3ZB74; Q9H4F2; Q9HC22; B2R981; B7Z3W0
Molecular Weight	Observed MW: 81kDa Calculated MW: 80kDa/95kDa
NCBI Official Full Name	hydroperoxide isomerase ALOXE3 isoform 1
NCBI Official Synonym Full Names	arachidonate lipoxygenase 3
NCBI Official Symbol	ALOXE3
NCBI Official Synonym Symbols	ARCI3; E-LOX; eLOX3; eLOX-3
NCBI Protein Information	hydroperoxide isomerase ALOXE3
UniProt Protein Name	Hydroperoxide isomerase ALOXE3
UniProt Gene Name	ALOXE3
UniProt Synonym Gene Names	Epidermal LOX-3; e-LOX-3; eLOX-3
UniProt Entry Name	LOXE3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/aloxe3-antibody-western-blot-elisa/280511>