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Datasheet for ABIN882268

anti-ALOXE3 antibody (AA 141-240) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	ALOXE3
Binding Specificity:	AA 141-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOXE3 antibody is conjugated to Alexa Fluor 555
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ALOXE3
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	ALOXE3
Alternative Name:	ALOXE3 (ALOXE3 Products)
Background:	Synonyms: ALOXE3, Arachidonate lipoxygenase 3, e LOX 3, E LOX, e-LOX-3, eLOX3, Epidermal

Target Details

lipoxygenase, Epidermis-type lipoxygenase 3, Lipoxygenase 3, LOXE3_HUMAN.

Background: Introduces molecular oxygen into polyunsaturated fatty acids. Exact substrate is not known. Tissue specificity: Predominantly expressed in skin. Involvement in disease Defects in ALOXE3 are a cause of non-bullous congenital ichthyosiform erythroderma (NCIE). NCIE is a non-bullous ichthyosis, a skin disorder characterized by abnormal cornification of the epidermis. Most affected individuals are born with a tight, shiny, translucent covering called collodion membrane. The collodion membrane subsequently evolves into generalized scaling and intense redness of the skin. Clinical features are milder than in lamellar ichthyoses and demonstrate a greater variability in the intensity of erythema, size and type of scales. In contrast to lamellar ichthyoses, scales are usually white, fine and powdery, and palms and soles are severely affected. Patients suffer from palmoplantar keratoderma, often with painful fissures, digital contractures, and loss of pulp volume.

Gene ID: 59344

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months