
ALOXE3 Rabbit pAb

Catalog Number: bs-7856R

Target Protein: ALOXE3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Pig, Cow, Dog, Horse)

Predicted MW: 81 kDa

Subcellular: Cytoplasm

Locations:

Entrez Gene: 59344

Swiss Prot: Q9BYJ1

Source: KLH conjugated synthetic peptide derived from human ALOXE3: 141-240/711.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.753] Jiankang Wang. et al. PM2.5 caused ferroptosis in spermatocyte via overloading iron and disrupting redox homeostasis. SCI

TOTAL ENVIRON. 2023 May;872:162089 WB ; Mouse . 36781135

[IF=6.244] Chen Y. et al. Prognostic and Predictive Models for Left- and Right- Colorectal Cancer Patients: A Bioinformatics Analysis Based on Ferroptosis-Related Genes.. Front Oncol. 2022 Feb;12:833834-833834 IHC ; Human . 35265525