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[Marker Primary Antibody]

Rabbit Anti-ALOXE3/HRP Conjugated antibody

Catalog Number: SL7856R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-ALOXE3/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human ALOXE3
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse)
Background:	background: Introduces molecular oxygen into polyunsaturated fatty acids. Exact substrate is not known. Tissue specificity:Predominantly expressed in skin. Involvement in diseaseDefects 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,

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	often with painful fissures, digital contractures, and loss of pulp volume. **Tissue Specificity:** Predominantly expressed in skin. **Similarity:** Belongs to the lipoxygenase family. Contains 1 lipoxygenase domain. Contains 1 PLAT domain. **Database links:** **Entrez Gene:** 59344 Human **Entrez Gene:** 23801 Mouse **Entrez Gene:** 287424 Rat Omim: 607206 Human **SwissProt:** Q9BYJ1 Human **SwissProt:** Q9WV07 Mouse **Unigene:** 232770 Human **Unigene:** 41989 Mouse **Unigene:** 8716 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.