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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ELOVL4. Rabbit Antigen Immunoaffinity Purified Polyclonal

Elongation of very long chain fatty acids protein 4, ELOV4

Background

Mutations in elongation of very long-chain fatty acid-4 (ELOVL4) are associated with autosomal dominant Stargardt-like macular degeneration (STGD3), with a five base-pair (5 bp) deletion mutation resulting in the loss of 51 carboxy-terminal amino acids and truncation of the protein. Elovl4 is expressed in the retina and only a limited number of mammalian other tissues, including skin, with unknown function. In a mouse model with the 5-bp deletion in the Elovl4 gene, mice in the heterozygous state (Elovl4(+/del)) demonstrate progressive photoreceptor degeneration. Homozygous mice (Elovl4(del/del)) display scaly, wrinkled skin, have severely compromised epidermal permeability barrier function, and die within a few hours after birth. Lipid analyses of epidermis from Elovl4 (del/del) mice show a decrease in very long-chain fatty acids (VLFAs) in both the ceramide/glucosylceramide and the free fatty-acid fractions. ELOVL4 is required for generating VLFA critical for epidermal barrier function.

Ordering Information

Catalog Number
X2381P

Size
10 Miniblots

Form
Affinity Purified

Host/Clone
Rabbit

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
Lot specific, see vial

Isotype
IgG

Applications
Western Blot

Species Reactivity
Human

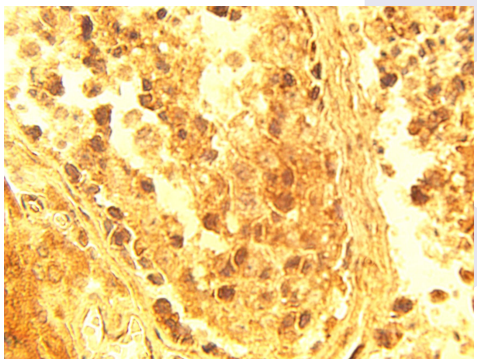
Accession Number

Human	Q9GZR5

Immunogen

Synthetic peptdide derived from the human ELOV4 protein

Immunohistochemical staining of normal human testis tissue using ELOV4 antibody (Cat. No. X2381P) at 15 μg/ml.



For research use only. Not for use in human diagnostics or therapeutics.

Exalpha Biologicals, Inc. 2 Shaker Road, Bldg. B101 Shirley, MA 01464
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Positive Control/Tissue Expression

Normal human testis. Expressed in the retina and at much lower level in the brain.

Comments

Antibody can be used for Western blotting (1:400 starting dilution) and immunohistochemistry (10-15 μg/ml). Optimal concentration should be evaluated by serial dilutions.

Purification

Antigen Immunoaffiinity Purification

Ship Conditions

Ship on gel ice, store at -20ºC immediately upon arrival

Storage Customer

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

Stability

Products are stable for one year from purchase when stored properly

References

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3: Vasireddy V, et al. Loss of functional ELOVL4 depletes very long-chain fatty acids (> or =C28) and the unique omega-O-acylceramides in skin leading to neonatal death.
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9: Koo AJ, et al. Identification of a plastid acyl-acyl carrier protein synthetase in Arabidopsis and its role in the activation and elongation of exogenous fatty acids. Plant J. 2005 Nov;44(4):620-32.
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Product Specific References

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