

Anti-ELOVL5 [Z88]

Catalogue number: 153343

Sub-type: Primary antibody

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-ELOVL5 [Z88]

Alternate name: Elongation of very long chain fatty acids protein 5; ELOVL5; 3-keto acyl-CoA synthase ELOVL5; ELOVL FA elongase 5; Fatty acid elongase 1; Very long chain 3-ketoacyl-CoA synthase 5

Class: Monoclonal

Conjugate: Unconjugated

Description: This protein is involved in the elongation of long-chain polyunsaturated fatty acids functioning as a condensing enzyme that acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. It may also participate in the production of monounsaturated and of polyunsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. It is highly expressed in the adrenal gland and testis, and encodes a multi-pass membrane protein that is localized in the endoplasmic reticulum.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Peptide Sequence NNVKPRKLR (peptide immunogen is identical in primates)

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Western Blot: Jurkat cell lysates. IHC: formalin-fixed, paraffin-embedded multi tumour tissue microarray.

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: ELOVL Fatty Acid Elongase 5

Target alternate names:

Target background: This protein is involved in the elongation of long-chain polyunsaturated fatty acids functioning as a condensing enzyme that acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. It may also participate in the production of monounsaturated and of polyunsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. It is highly expressed in the adrenal gland and testis, and encodes a multi-pass membrane protein that is localized in the endoplasmic reticulum.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IHC ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions:

Shipping at 4° C

Related tools

Related tools:

References

References: Peschard et al. 2012. Curr Biol. 22(21):2063-8. PMID: 23063435. ; Genetic deletion of RALA and RALB small GTPases reveals redundant functions in development and tumorigenesis.

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