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ELOVL6 Rabbit pAb

Catalog # AP99281

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9H5J4
Other Accession	Q9H5J4
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31376
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ELOVL6
Epitope Specificity	21-120/265
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ELO family.
Post-translational modifications	N-Glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Fatty acid elongase specific to C12-C16 saturated and monoinsaturated fatty acids.

Additional Information

Gene ID	79071
Other Names	FACE; FAE; LCE; hELO2; Lce2; rELO2; ELOV6_HUMAN; ELOVL6; 3-keto acyl-CoA synthase ELOVL6; ELOVL fatty acid elongase 6 (ELOVL FA elongase 6); Elongation of very long chain fatty acids protein 6; Fatty acid elongase 2 (hELO2); Fatty acyl-CoA elongase; Long-chain fatty-acyl elongase; Very long chain 3-ketoacyl-CoA synthase 6; Very long chain 3-oxoacyl-CoA synthase 6; 2.3.1.199; ELOV6_MOUSE; Long chain fatty acid elongase; Myelin-associated SUR4 protein; Masr; ELOV6_RAT; Fatty acid elongase 2 (rELO2); ELOVL fatty acid elongase 6; ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ELOVL6 {ECO:0000255|HAMAP-Rule:MF_03206}
Synonyms	FACE, LCE
Function	Catalyzes the first and rate-limiting reaction of the four reactions that constitute the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids (VLCFAs) per cycle. Condensing enzyme that elongates fatty acids with 12, 14 and 16 carbons with higher activity toward C16:0 acyl-CoAs. Catalyzes the synthesis of unsaturated C16 long chain fatty acids and, to a lesser extent, C18:0 and those with low desaturation degree. May participate in the production of saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000255|HAMAP-Rule:MF_03206, ECO:0000269|PubMed:20937905}; Multi- pass membrane protein {ECO:0000255|HAMAP-Rule:MF_03206}
Tissue Location	Ubiquitous..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.