

Anti-ELOVL5 antibody



Description	Rabbit polyclonal to ELOVL5.
Model	STJ92904
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human ELOVL5
Immunogen Region	210-290 aa, C-terminal
Gene ID	60481
Gene Symbol	ELOVL5
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	ELOVL5 Polyclonal Antibody detects endogenous levels of ELOVL5 protein.
Tissue Specificity	Ubiquitous. Highly expressed in the adrenal gland and testis. Weakly expressed in prostate, lung and brain. Expressed in the cerebellum.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Elongation of very long chain fatty acids protein 5 3-keto acyl-CoA synthase ELOVL5 ELOVL fatty acid elongase 5 ELOVL FA elongase 5 Fatty acid elongase 1 hELO1 Very long chain 3-ketoacyl-CoA synthase 5 Very long c
Molecular Weight	28 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:21308OMIM:611805
Alternative Names	Elongation of very long chain fatty acids protein 5 3-keto acyl-CoA synthase ELOVL5 ELOVL fatty acid elongase 5 ELOVL FA elongase 5 Fatty acid elongase 1 hELO1 Very long chain 3-ketoacyl-CoA synthase 5 Very long c
Function	Catalyzes the first and rate-limiting reaction of the four 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 acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. May 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.
Cellular Localization	Endoplasmic reticulum membrane Cell projection, dendrite. In Purkinje cells, the protein localizes to the soma and proximal portion of the dendritic tree.

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