

产品名称: ELOVL5 (18Q15) Rabbit Monoclonal Antibody
产品货号: AMRe10426



产品概述 (Summary)

产品名称 (Production Name)	ELOVL5 (18Q15) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, FC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ELOVL5 3 keto acyl CoA synthase ELOVL5; Elongation of very long chain fatty acids like
别名 (Alternative Names)	5; ELOVL 5; ELOVL family member 5; ELOVL family member 5 elongation of long chain fatty acids; ELOVL fatty acid elongase 5; ELOVL2; elovl5; Fatty acid elongase 1; hELO1; RP3 483K16.1; RP3-483K16.1;
基因 ID (Gene ID)	60481.0
蛋白 ID (SwissProt ID)	Q9NYP7.A synthetic peptide of human ELOVL5

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:20-1:50, FC 1:20-1:50
蛋白分子量 (Molecular Weight)	35kDa

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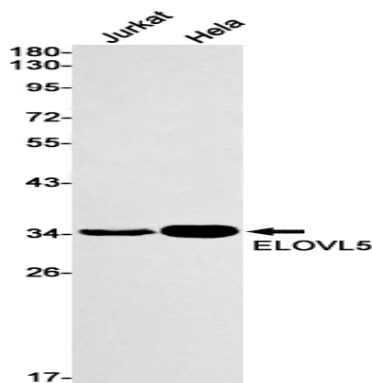
研究背景 (Background)

Condensing enzyme that catalyzes the synthesis of monounsaturated and of polyunsaturated very long chain fatty acids. Acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. 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 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 (By similarity) (PubMed: [10970790](http://www.uniprot.org/citations/10970790)), PubMed: [20937905](http://www.uniprot.org/citations/20937905)). In conditions where the essential linoleic and alpha linoleic fatty acids are lacking it is also involved in the synthesis of Mead acid from oleic acid (By similarity).

研究领域 (Research Area)

Biosynthesis of unsaturated fatty acids;

图片 (Image Data)



Western blot detection of ELOVL5 in Jurkat, HeLa cell lysates using ELOVL5 antibody (1:1000 diluted).

注意事项 (Note)

For research use only.