

ELOVL5 Rabbit mAb

Catalog No: #52005

Package Size: #52005-1 50ul #52005-2 100ul

Orders: order@signalwayantibody.com

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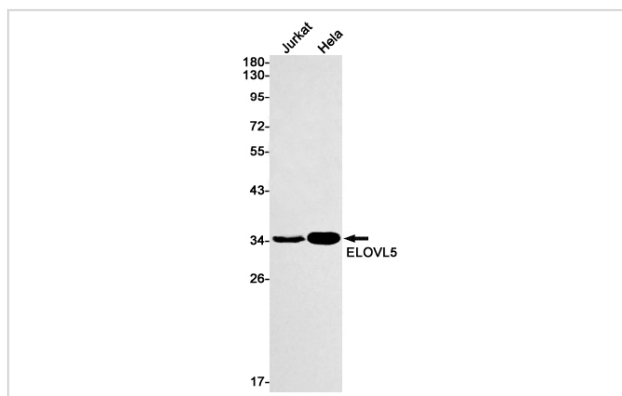
Description

Product Name	ELOVL5 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S07-7B3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human ELOVL5
Conjugates	Unconjugated
Modification	Unmodification
Other Names	ELOVL FA elongase 5;Fatty acid elongase 1;hELO1;Very long chain 3-ketoacyl-CoA synthase 5
Accession No.	Swiss-Prot:Q9NYP7GeneID:60481
Uniprot	Q9NYP7
GeneID	60481
Calculated MW	Calculated MW: 35 kDa; Observed MW: 35 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

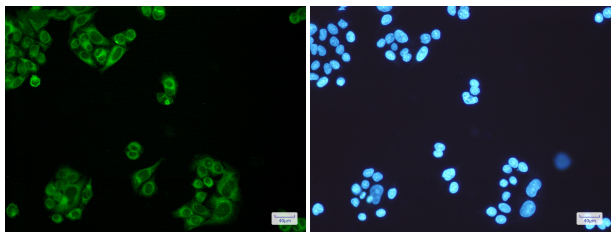
WB: 1/1000; ICC/IF: 1/20;

Images



Western blot detection of ELOVL5 in Jurkat, HeLa cell lysates using ELOVL5 Rabbit mAb (1:1000 diluted). Predicted band size: 35 kDa. Observed band size: 35 kDa.

Immunofluorescence of ELOVL5(green) in Hela cells using ELOVL5 Rabbit mAb at dilution 1/200, and DAPI(blue)



Background

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, PubMed:20937905).

Note: This product is for in vitro research use only