

ELOVL5 Polyclonal Antibody

Catalog No :	YT1539
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	ELOVL5
Fields :	>>Fatty acid elongation;>>Biosynthesis of unsaturated fatty acids;>>Metabolic pathways;>>Fatty acid metabolism
Gene Name :	ELOVL5
Protein Name :	Elongation of very long chain fatty acids protein 5
Human Gene Id :	60481
Human Swiss Prot No :	Q9NYP7
Mouse Swiss Prot No :	Q8BHI7
Immunogen :	The antiserum was produced against synthesized peptide derived from human ELOVL5. AA range:250-299
Specificity :	ELOVL5 Polyclonal Antibody detects endogenous levels of ELOVL5 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 28kD

Cell Pathway : Biosynthesis of unsaturated fatty acids;

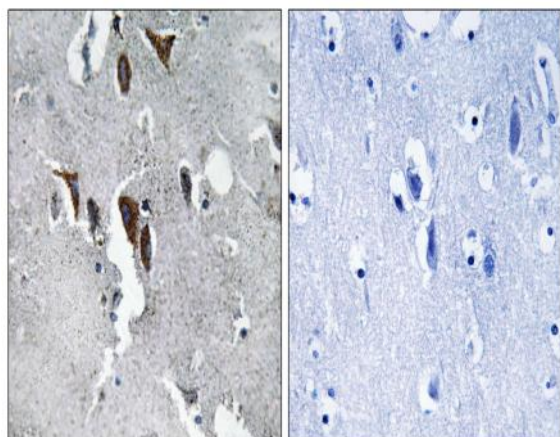
Background : This gene belongs to the ELO family. It is highly expressed in the adrenal gland and testis, and encodes a multi-pass membrane protein that is localized in the endoplasmic reticulum. This protein is involved in the elongation of long-chain polyunsaturated fatty acids. Mutations in this gene have been associated with spinocerebellar ataxia-38 (SCA38). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014],

Function : function:May be involved in the elongation of long-chain polyunsaturated fatty acids (PUFAs).,similarity:Belongs to the ELO family.,tissue specificity:Highly expressed in the adrenal gland and testis. Weekly expressed in prostate, lung and brain.,

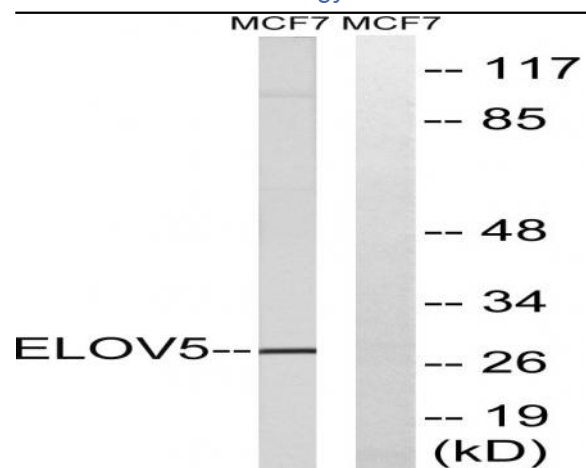
Subcellular Location : Endoplasmic reticulum membrane ; Multi-pass membrane protein . Cell projection, dendrite . In Purkinje cells, the protein localizes to the soma and proximal portion of the dendritic tree. .

Expression : Ubiquitous. Highly expressed in the adrenal gland and testis. Weakly expressed in prostate, lung and brain. Expressed in the cerebellum.

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ELOVL5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from MCF-7 cells, using ELOV5 Antibody. The lane on the right is blocked with the synthesized peptide.