

# ELOVL6 Antibody

Catalog No: #24672

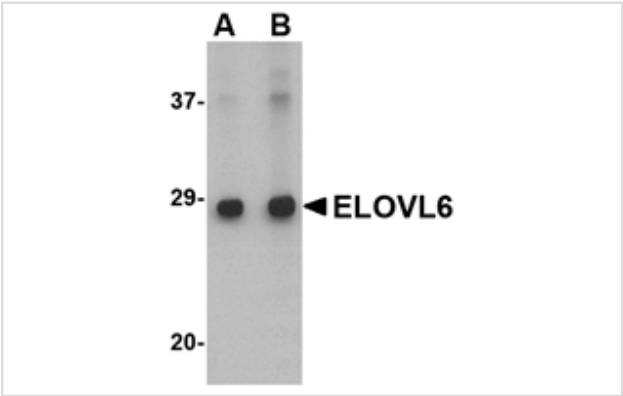


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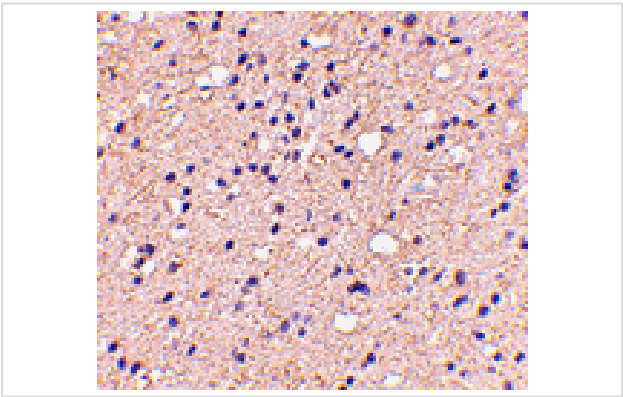
## Description

Product Name	ELOVL6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the amino terminus of the human ELOVL6.
Target Name	ELOVL6
Other Names	Elongation of very long chain fatty acids protein 6, hELO2, Fatty acyl-CoA elongase, FACE, Long-chain fatty-acyl elongase, LCE
Accession No.	NP_076995
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Images



Western blot analysis of ELOVL6 in Human brain tissue lysate with ELOVL6 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of ELOVL6 in human brain with ELOVL6 antibody at 5 ug/mL.

## Background

Lipogenesis is a key event in the energy storage system and is controlled by the transcription factor sterol regulatory element-binding protein (SREBP)-1. Elongation of very long chain fatty acids protein 6 (ELOVL6) is a member of fatty acyl-CoA elongase gene family that converts palmitic to stearic acid and it has been shown to be a target of SREBP-1, playing an important role in de novo synthesis of long-chain saturated and monosaturated fatty acids in conjunction with fatty acid synthase and stearoyl-CoA desaturase. ELOVL6 was predicted to be important for tissue fatty acid composition. Recent studies suggest that inhibition of this elongase could be a new therapeutic approach for ameliorating insulin resistance, diabetes and cardiovascular risks, even in the presence of a continuing state of obesity.

## Published Papers

et al., LncCCAT1 interaction protein PKM2 upregulates SREBP2 phosphorylation to promote osteosarcoma tumorigenesis by enhancing the Warburg effect and lipogenesis. In Int J Oncol on 2022 Apr by Feifei Pu, Jianxiang Liu, et al.. PMID:35244192, , (2022)

[PMID:35244192](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.