

Anti-ELOVL6 Antibody

Catalog Number: A06004-1

About ELOVL6

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.

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Overview

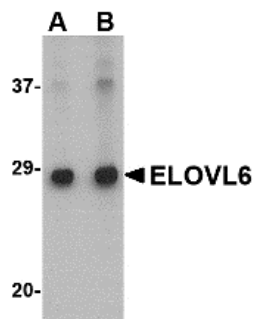
Product Name	Anti-ELOVL6 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ELOVL6 Antibody (Catalog # A06004-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ELOVL6 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	ELOVL6 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9H5J4

Technical Details

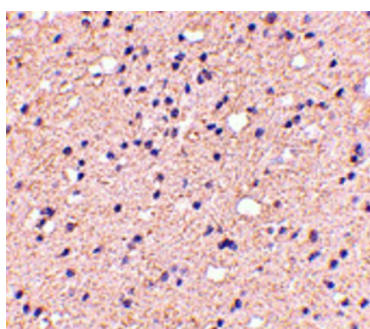
Immunogen	ELOVL6 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of the human ELOVL6. The immunogen is located within the first 50 amino acids of ELOVL6.
Predicted Reactive Species	Chicken

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ELOVL6 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ELOVL6 antibody can be used for detection of ELOVL6 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

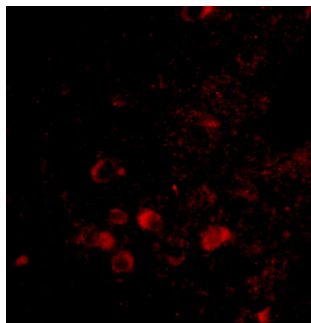
Anti-ELOVL6 Antibody (A06004-1) Images



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 tissue with ELOVL6 antibody at 5 ug/mL.



Immunofluorescence of ELOVL6 in Human Brain tissue with ELOVL6 antibody at 20 ug/mL.

Anti-ELOVL6 Antibody

For Research Use Only. Not for use in diagnostic procedures.