Datasheet for ABIN6990894

anti-ELOVL6 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	ELOVL6
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELOVL6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Purification:	ELOVL6 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ELOVL6
Alternative Name:	ELOVL6 (ELOVL6 Products)
Background:	ELOVL6 Antibody: Lipogenesis is a key event in the energy storage system and is controlled by

Target Details

	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.
Molecular Weight:	Predicted: 29 kDa Observed: 28 kDa
Gene ID:	79071
NCBI Accession:	NP_076995
UniProt:	Q9H5J4

Application Details

Application Notes:	ELOVL6 antibody can be used for detection of ELOVL6 by Western blot at 1 - 2 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 5 µ,g/mL. For immunofluorescence start at 20 µ,g/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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ELOVL6 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,4 °C
Storage Comment:	ELOVL6 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.

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