Datasheet for ABIN6990685

anti-LIPE antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	LIPE
Binding Specificity:	AA 920-970, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIPE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Lipe antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Lipe. The immunogen is located within amino acids 920 - 970 of Lipe.
Isotype:	IgG
Specificity:	Multiple isoforms of Lipe are known to exist.
Purification:	Lipe Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LIPE
Alternative Name:	Lipe (LIPE Products)

Target Details

Background:	Lipe Antibody: Although initially described as an adipocyte-specific triacylglycerol lipase, Lipe (also known as hormone-specific lipase or HSL) is expressed in multiple tissues and cell lines. It plays multiple roles in lipid metabolism, including hormone-stimulated lipolysis in adipose tissue and the hydrolysis of cholesterol esters. Lipe is expressed as a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesterol esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids. Recently, it was observed that the lack of Lipe in genetically obese leptin-null mice inhibited obesity and adipogenesis, suggesting that Lipe plays a major role in adipocyte proliferation.
Molecular Weight:	Predicted: 85, 90, 110, 118 kDa Observed: 90 kDa
Gene ID:	3991
UniProt:	Q05469
Pathways:	AMPK Signaling, Monocarboxylic Acid Catabolic Process, Lipid Metabolism

Application Details

Application Notes:	Lipe antibody can be used for detection of Lipe by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/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:	Lipe 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

Handling

	should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	Lipe 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.