

Datasheet for ABIN500178
anti-LIPE antibody (C-Term)



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2 Images

Overview

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

Product Details

Immunogen:	Lipe antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human lipe.
Isotype:	IgG
Specificity:	This antibody detects LIPE.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	LIPE
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Target Details

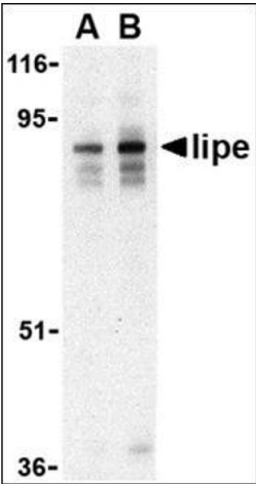
Alternative Name:	LIPE (LIPE Products)
Background:	Although initially described as an adipocyte-specific triacylglycerol lipase, lipe (also known as hormone-specific lipase or HSL) is expressed in multiple tissues and cell lines. It plays multiple roles in lipid metabolism, including hormone-stimulated 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.Synonyms: EC=3.1.1.79, HSL, Hormone-sensitive lipase, LIPE
Gene ID:	3991
UniProt:	Q05469
Pathways:	AMPK Signaling , Monocarboxylic Acid Catabolic Process , Lipid Metabolism

Application Details

Application Notes:	ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

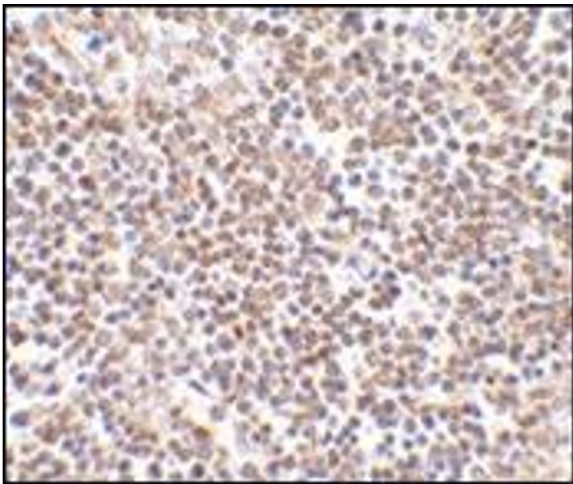
Handling

Buffer:	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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of lipe in human lymph node tissue lysate with this product at (A) 0.5 and (B) 1 μ g/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of lipe in human lymph node tissue with this product at 2.5 μ g/ml.