

Datasheet for ABIN953181
anti-LIPE antibody (C-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	LIPE
Binding Specificity:	AA 828-858, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIPE antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 828~858 amino acids from the C-terminal region of human LIPE.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human LIPE (C-term).
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	LIPE
Alternative Name:	LIPE (LIPE Products)

Target Details

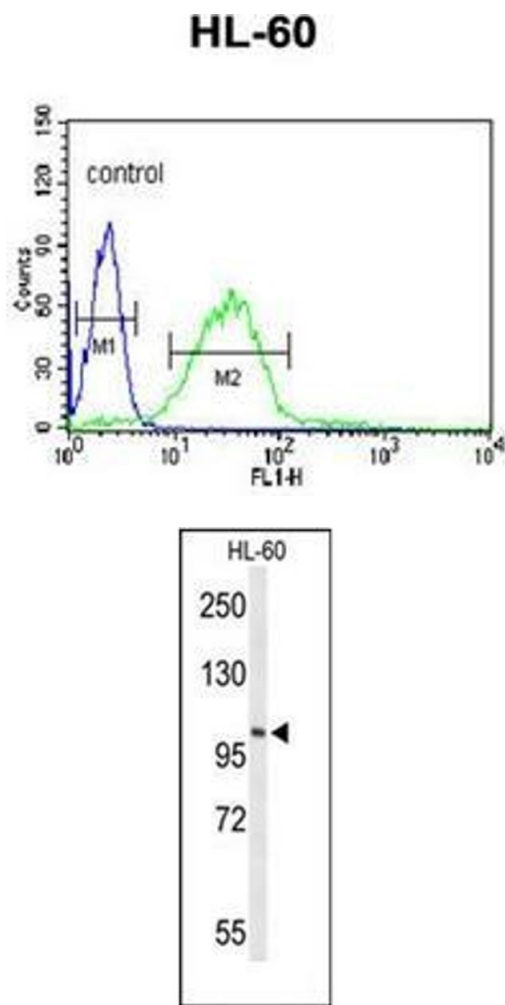
Background:	LIPE has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesteryl esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids.Synonyms: EC=3.1.1.79, HSL, Hormone-sensitive lipase, LIPE
Molecular Weight:	116598 Da
Gene ID:	3991
NCBI Accession:	NP_005348
Pathways:	AMPK Signaling , Monocarboxylic Acid Catabolic Process , Lipid Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using LIPE Antibody (C-term) Cat.-No AP52494PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of LIPE Antibody (C-term) in HL-60 cell line lysates (35ug/lane). LIPE (arrow) was detected using the purified Pab.