ARG42016
anti-LIPE / HS antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LIPE / HS
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LIPE / HS
Species	Human
Immunogen	Synthetic peptide within aa. 900-1000 of Human LIPE (NP_005348.2).
Conjugation	Un-conjugated
Alternate Names	EC 3.1.1.79; AOMS4; HSL; LHS; Hormone-sensitive lipase; FPLD6

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: 293T

Observed Size: ~ 85 kDa

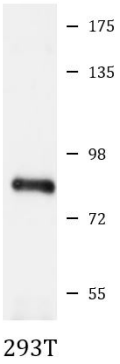
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LIPE
Gene Full Name	lipase, hormone-sensitive
Background	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
Function	In adipose tissue and heart, it primarily hydrolyzes stored triglycerides to free fatty acids, while in steroidogenic tissues, it principally converts cholesteryl esters to free cholesterol for steroid hormone production. [UniProt]
Calculated Mw	Isoform 1: 117 kDa Isoform 2: 84 kDa
PTM	Phosphorylation by AMPK may block translocation to lipid droplets. [UniProt]
Cellular Localization	Cell membrane. Membrane, caveola. Cytoplasm, cytosol. Note=Found in the high-density caveolae. Translocates to the cytoplasm from the caveolae upon insulin stimulation. [UniProt]

Images



ARG42016 anti-LIPE / HS antibody WB image

Western blot: 25 µg of 293T cell lysate stained with ARG42016 anti-LIPE / HS antibody at 1:1000 dilution.