

ARG56576
anti-LIPE / HSL antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LIPE / HSL
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	Multiple isoforms of LIPE / HSL are known to exist.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LIPE / HSL
Immunogen	Synthetic peptide (14 aa) within aa. 920-970 of Human LIPE / HSL.
Conjugation	Un-conjugated
Alternate Names	EC 3.1.1.79; AOMS4; HSL; LHS; Hormone-sensitive lipase; FPLD6

Application Instructions

Application table	Application	Dilution
	ICC/IF	20 µg/ml
	IHC-P	2.5 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human lymph node tissue.	

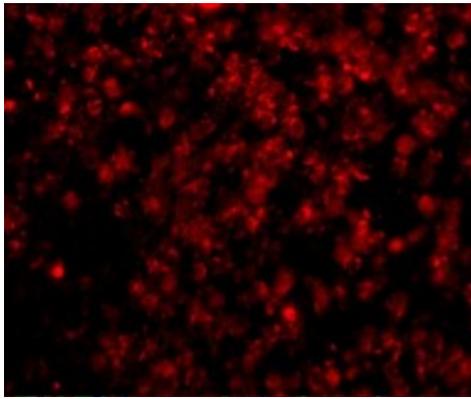
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
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

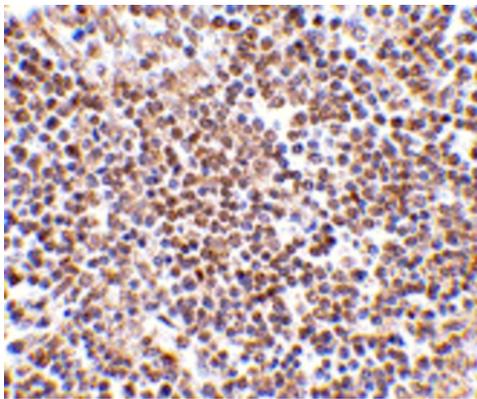
Gene Symbol	LIPE
Gene Full Name	lipase, hormone-sensitive
Background	The protein encoded by this gene has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesteryl esters to free 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.

Images



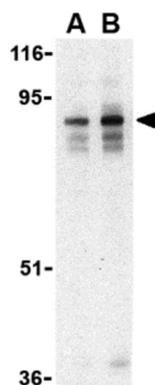
ARG56576 anti-LIPE / HSL antibody IF image

Immunofluorescence: Human lymph node cells stained with ARG56576 anti-LIPE / HSL antibody at 20 µg/ml dilution.



ARG56576 anti-LIPE / HSL antibody IHC-P image

Immunohistochemistry: Human lymph node tissue stained with ARG56576 anti-LIPE / HSL antibody at 2.5 µg/ml dilution.



ARG56576 anti-LIPE / HSL antibody WB image

Western blot: Human lymph node tissue lysate stained with ARG56576 anti-LIPE / HSL antibody at (A) 0.5 and (B) 1 µg/ml dilution.