

Phospho-Hormone Sensitive Lipase (Ser855) Rabbit mAb
Catalog # AP76344**Specification****Phospho-Hormone Sensitive Lipase (Ser855) Rabbit mAb - Product Information**

Application	WB
Primary Accession	Q05469
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	116598

Phospho-Hormone Sensitive Lipase (Ser855) Rabbit mAb - Additional Information

Gene ID 3991

Other Names

LIPE

Dilution

WB~~1/500-1/1000

Format

Liquid

Phospho-Hormone Sensitive Lipase (Ser855) Rabbit mAb - Protein Information

Name LIPE

Function

Lipase with broad substrate specificity, catalyzing the hydrolysis of triacylglycerols (TAGs), diacylglycerols (DAGs), monoacylglycerols (MAGs), cholesteryl esters and retinyl esters (PubMed: [15716583](http://www.uniprot.org/citations/15716583), PubMed: [15955102](http://www.uniprot.org/citations/15955102), PubMed: [19800417](http://www.uniprot.org/citations/19800417), PubMed: [8812477](http://www.uniprot.org/citations/8812477)). Shows a preferential hydrolysis of DAGs over TAGs and MAGs and preferentially hydrolyzes the fatty acid (FA) esters at the sn-3 position of the glycerol backbone in DAGs (PubMed: [19800417](http://www.uniprot.org/citations/19800417)). Preferentially hydrolyzes FA esters at the sn-1 and sn-2 positions of the glycerol backbone in TAGs (By similarity). Catalyzes the hydrolysis of 2-arachidonoylglycerol, an endocannabinoid and of 2-acetyl monoalkylglycerol ether, the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor (By similarity). 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 (By similarity).

Cellular Location

Cell membrane. Membrane, caveola. Cytoplasm, cytosol. Lipid droplet

{ECO:0000250|UniProtKB:P54310}. Note=Found in the high-density caveolae. Translocates to the cytoplasm from the caveolae upon insulin stimulation (PubMed:17026959). Phosphorylation by AMPK reduces its translocation towards the lipid droplets (By similarity) {ECO:0000250|UniProtKB:P54310, ECO:0000269|PubMed:17026959}

Tissue Location

Testis..

Phospho-Hormone Sensitive Lipase (Ser855) Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-Hormone Sensitive Lipase (Ser855) Rabbit mAb - Images

