HSL/LIPE Rabbit mAb

Catalog No.: A24689

Recombinant | 3 Publications

Basic Information

Observed MW
83 kDa

Calculated MW
117 kDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, ELISA

Cross Reactivity
Human, Mouse

Clone No.
ARC64016

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.

Recommended Dilutions

WB	1:3000 - 1:15000
IF/ICC	1:1000 - 1:7000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3991

Swiss-Prot
Q05469

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
HSL; LHS; REH; AOMS4; FPLD6; HSL/LIPE

Contact

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Product Information

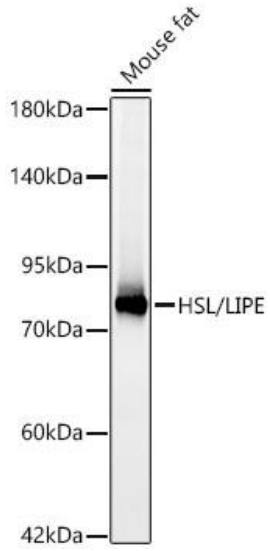
Source
Rabbit

Isotype
IgG

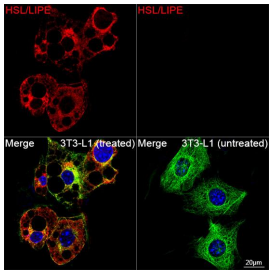
Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of extracts from mouse fat, using HSL/LIPE Rabbit mAb (A24689) at 1:8000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Confocal imaging of 3T3-L1 differentiated cells and 3T3-L1 cells using HSL/LIPE Rabbit mAb (A24689, dilution 1:7000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.