Anti-Phospho-HSL (Ser853) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014156

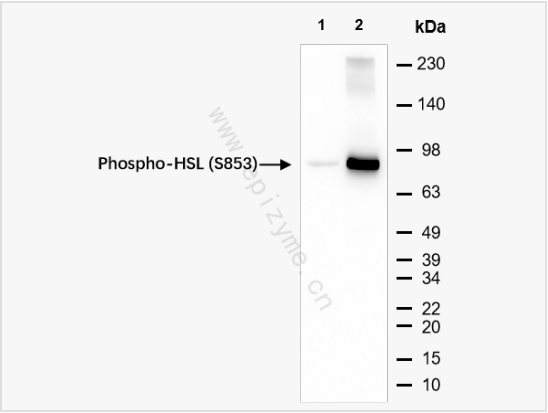
Product Information

Application	WB, ELISA, IHC-P/IF (Tissue-P)
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:3,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	73O79J75
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-HSL (Ser853)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-HSL (Ser853) Rabbit mAb [73O79J75] is for research use only and not for use in diagnostic or therapeutic procedures.

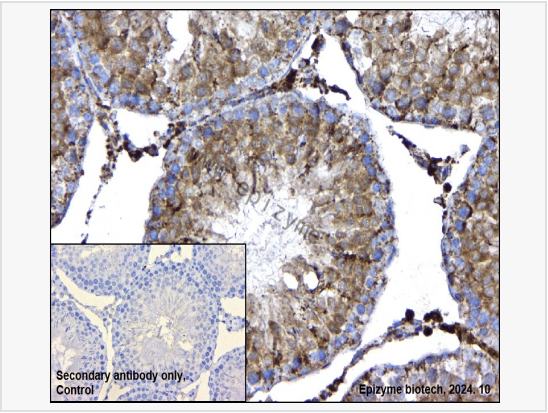
Protein Information

Synonyms	Hormone sensitive lipase, Hormone sensitive lipase testicular isoform, Hormone-sensitive lipase, HSL, LHS, Lipase hormone sensitive, LIPE, LIPS_HUMAN.
Calculated MW	Calculated MW: 41 kDa; Observed MW: 41 kDa
Uniprot ID	Q05469
Gene ID	3991
Background	hormone sensitive lipase is a lipolytic enzyme of the 'GDXG' family. Plays a rate limiting step in triglyceride lipolysis. 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.
Cellular Location	Cell membrane. Membrane > caveola. Cytoplasm > cytosol. Found in the high-density caveolae. Translocates to the cytoplasm from the caveolae upon insulin stimulation.

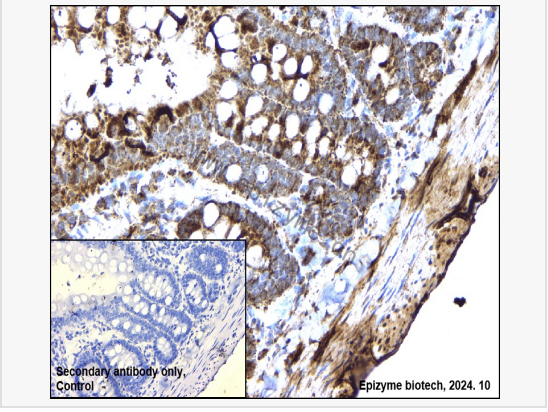
Validation Images



Western Blot - Anti-Phospho-HSL (Ser853) Rabbit mAb [73O79J75]
All lanes: R014156 at 1:3,000 dilution
Lane 1: Rat heart whole tissue lysates
Lane 2: Rat muscle whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 117 kDa
Observed band size: 83 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-HSL (Ser853) Rabbit mAb [73O79J75]
Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014156 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-HSL (Ser853) Rabbit mAb [73O79J75]
Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014156 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.