

Anti-Phospho-Hormone sensitive lipase (S660) Antibody [PSH10-28]

HA723195



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Mouse, Rat, Human
Applications:	WB
Molecular Wt:	Predicted band size: 117 kDa
Clone number:	PSH10-28

Description: Hormone-sensitive lipase (EC 3.1.1.79, HSL), also previously known as cholesteryl ester hydrolase (CEH), sometimes referred to as triacylglycerol lipase, is an enzyme that, in humans, is encoded by the LIPE gene. HSL is an intracellular neutral lipase capable of hydrolyzing a variety of esters. The enzyme has a long and a short form. 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.

Immunogen: Synthetic phospho-peptide corresponding to residues surrounding Ser660 of Human HSL.

Positive control: Mouse white adipose tissue lysate, Rat white adipose tissue lysate.

Subcellular location: Cell membrane, Membrane, caveola, Cytoplasm, cytosol, Lipid droplet.

Database links: SwissProt: Q05469 Human | P54310 Mouse | P15304 Rat

Recommended Dilutions:

WB 1:2,000

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

Fig1: Western blot analysis of Phospho-Hormone sensitive lipase (S660) on different lysates with Rabbit anti-Phospho-Hormone sensitive lipase (S660) antibody (HA723195) at 1/2,000 dilution.

Lane 1: Mouse white adipose tissue lysate
 Lane 2: Rat white adipose tissue lysate
 Lane 3: Mouse white adipose tissue lysate, the membrane treated with λ pp for 1 hour

Lysates/proteins at 40 μ g/Lane.

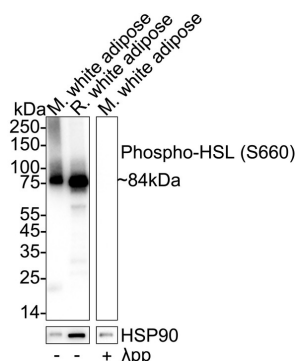
Predicted band size: 117 kDa

Observed band size: 84 kDa

Exposure time: 59 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA723195) at 1/2,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.



Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Shen WJ et al. Hormone sensitive lipase ablation promotes bone regeneration. *Biochim Biophys Acta Mol Basis Dis.* 2022 Sep
2. Heier C et al. Hormone-sensitive lipase couples intergenerational sterol metabolism to reproductive success. *Elife.* 2021 Feb

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