


Product datasheet

Anti-Hormone sensitive lipase/HSL (phospho S853) antibody [EPR2329(2)] ab109400

Recombinant RabMAb

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Overview

Product name	Anti-Hormone sensitive lipase/HSL (phospho S853) antibody [EPR2329(2)]
Description	Rabbit monoclonal [EPR2329(2)] to Hormone sensitive lipase/HSL (phospho S853)
Host species	Rabbit
Specificity	The antibody only detects HSL phosphorylated on serine 853.
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human skeletal muscle lysates and Mouse muscle lysates
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR2329(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109400 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/50000 - 1/200000. Detects a band of approximately 83 kDa (predicted molecular weight: 117 kDa).

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

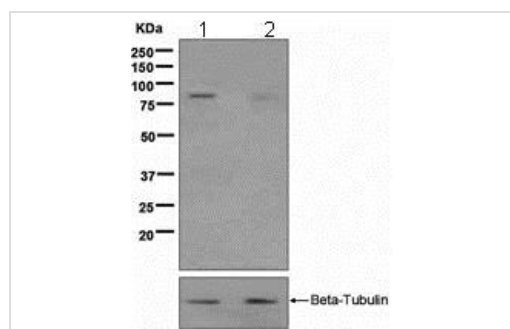
Function In adipose tissue and heart, it primarily hydrolyzes stored triglycerides to free fatty acids, while in steroidogenic tissues, it principally converts cholesteryl esters to free cholesterol for steroid hormone production.

Pathway Glycerolipid metabolism; triacylglycerol degradation.

Sequence similarities Belongs to the 'GDXG' lipolytic enzyme family.

Cellular localization Cell membrane. Membrane > caveola. Cytoplasm > cytosol. Found in the high-density caveolae. Translocates to the cytoplasm from the caveolae upon insulin stimulation.

Images



Western blot - Anti-Hormone sensitive lipase/HSL (phospho S853) antibody [EPR2329(2)] (ab109400)

All lanes : Anti-Hormone sensitive lipase/HSL (phospho S853) antibody [EPR2329(2)] (ab109400) at 1/50000 dilution

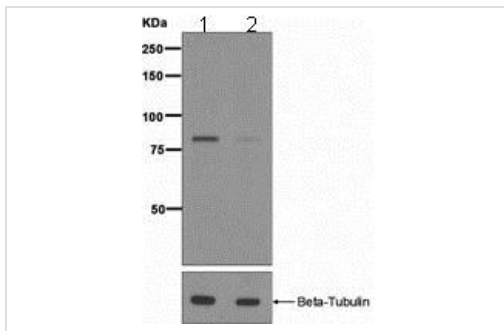
Lane 1 : Human skeletal muscle lysates

Lane 2 : Human skeletal muscle lysates treated with Lambda Phosphatase

Lysates/proteins at 10 µg per lane.

Predicted band size: 117 kDa

Observed band size: 83 kDa



Western blot - Anti-Hormone sensitive lipase/HSL (phospho S853) antibody [EPR2329(2)] (ab109400)

All lanes : Anti-Hormone sensitive lipase/HSL (phospho S853) antibody [EPR2329(2)] (ab109400) at 1/50000 dilution

Lane 1 : Mouse muscle lysate





Lane 2 : Mouse muscle lysate treated with Alkaline Phosphatase

Lysates/proteins at 10 µg per lane.

Predicted band size: 117 kDa

Observed band size: 83 kDa

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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