



Rabbit Anti-phospho-HMGCR (Ser872) antibody

SL4063R

Product Name:	phospho-HMGCR (Ser872)
Chinese Name:	磷酸化三羟基三甲基辅酶A还原酶抗体
Alias:	phospho-HMGCR (S872); HMGCR (phospho-Ser872); HMGCR (phospho S872); 3 hydroxy 3 methylglutaryl CoA reductase; 3 hydroxy 3 methylglutaryl Coenzyme A reductase; 3 hydroxymethylglutaryl CoA reductase; 3-hydroxy-3-methylglutaryl CoA reductase (NADPH); 3-hydroxy-3-methylglutaryl-coenzyme A reductase; 3H3M; HMDH_HUMAN; HMG CoA reductase; HMG CoAR; HMG-CoA reductase; Hydroxymethylglutaryl CoA reductase; LDLCQ3; MGC103269; Red.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	97kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human HMGCR around the phosphorylation site of Ser872:NR(p-S)KI
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

This transmembrane glycoprotein is involved in the control of cholesterol biosynthesis. It is the rate-limiting enzyme of sterol biosynthesis.

Function:

This transmembrane glycoprotein is involved in the control of cholesterol biosynthesis. It is the rate-limiting enzyme of sterol biosynthesis.

Subunit:

Homodimer.

Subcellular Location:

Endoplasmic reticulum membrane; Multi-pass membrane protein. Peroxisome membrane; Multi-pass membrane protein.

Similarity:

Belongs to the HMG-CoA reductase family.

SWISS:

P04035

Gene ID:

3156

Database links:

[Entrez Gene: 3156](#)Human

[Entrez Gene: 15357](#)Mouse

[Entrez Gene: 25675](#)Rat

[Omim: 142910](#)Human

[SwissProt: P04035](#)Human

[SwissProt: Q01237](#)Mouse

[SwissProt: P51639](#)Rat

[Unigene: 628096](#)Human

[Unigene: 643495](#)Human

[Unigene: 316652](#)Mouse

[Unigene: 9437](#)Rat

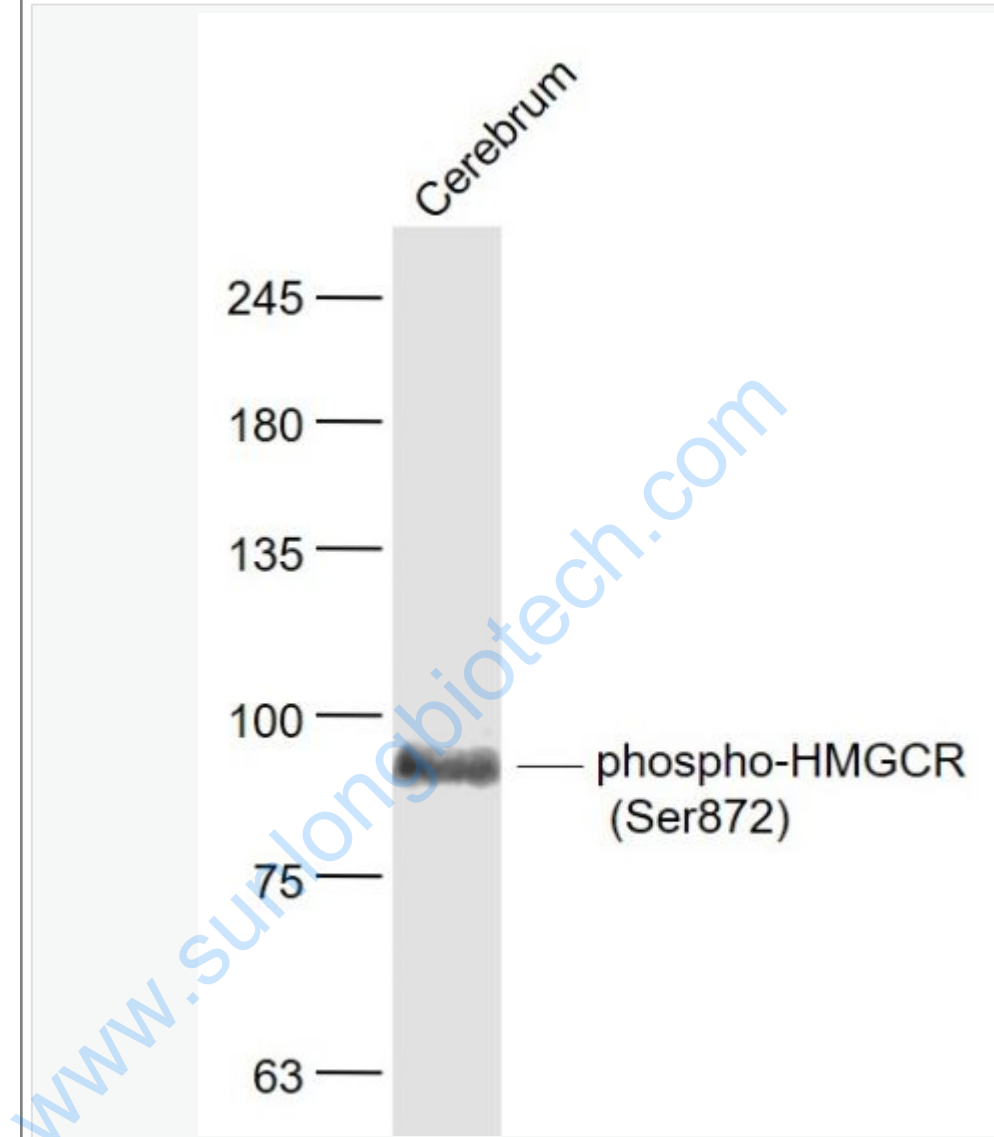
Important Note:

This product as supplied is intended for research use only, not for use in human,

Product Detail:

therapeutic or diagnostic applications.

Picture:



Sample:

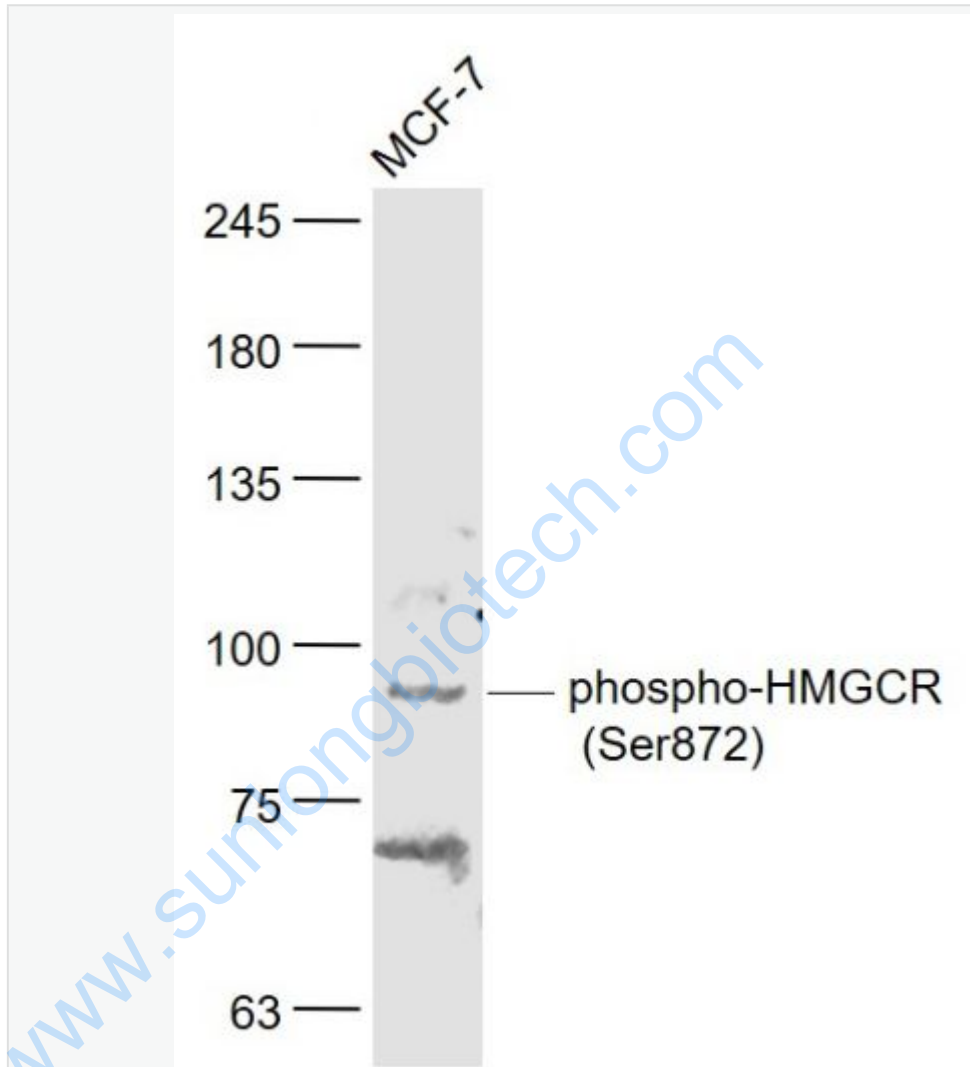
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti- phospho-HMGCR (Ser872) (SL4063R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 97 kD

Observed band size: 97 kD



Sample:

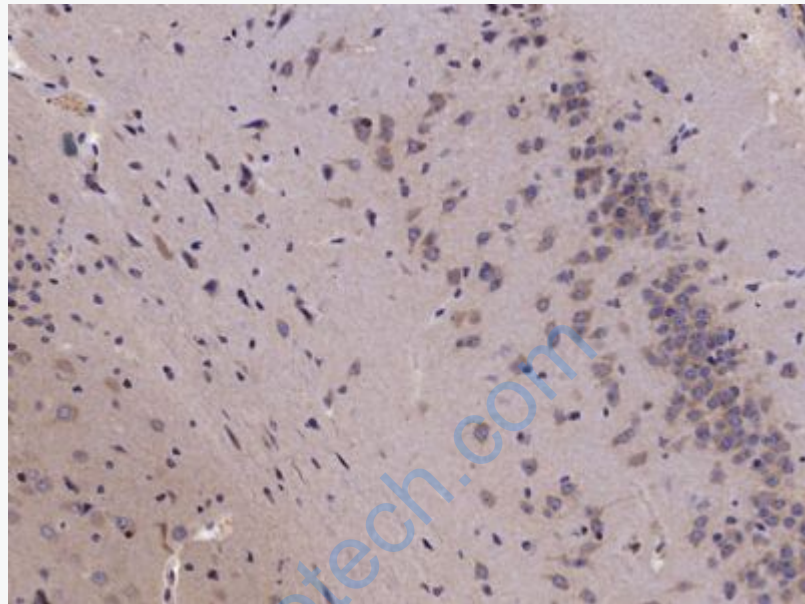
MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti- phospho-HMGCR (Ser872) (SL4063R) at 1/1000 dilution

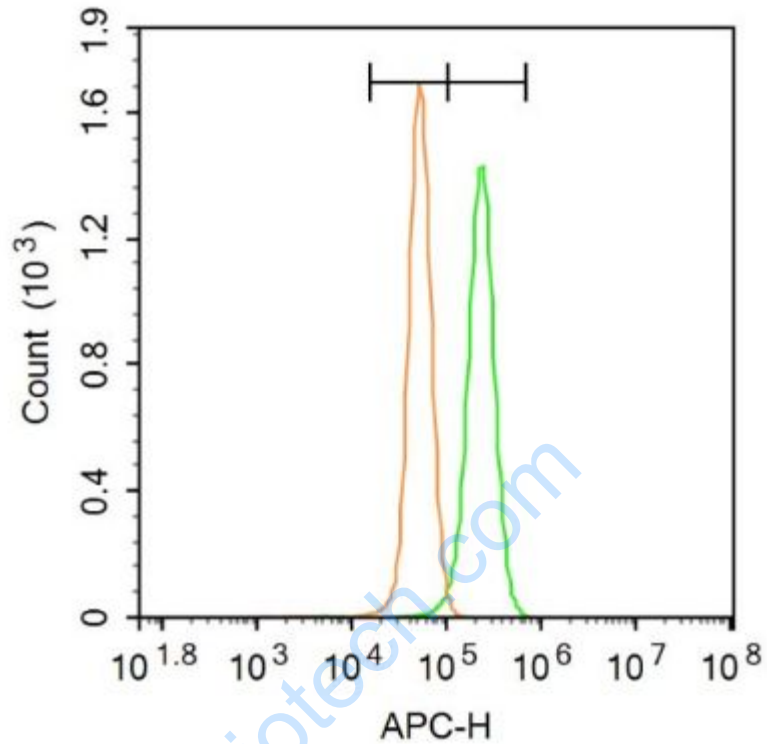
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 97 kD

Observed band size: 97 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (phospho-HMGCR (Ser872)) Polyclonal Antibody, Unconjugated (SL4063R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Blank control: A431.

Primary Antibody (green line): Rabbit Anti-HMGCR antibody (SL4063R)

Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

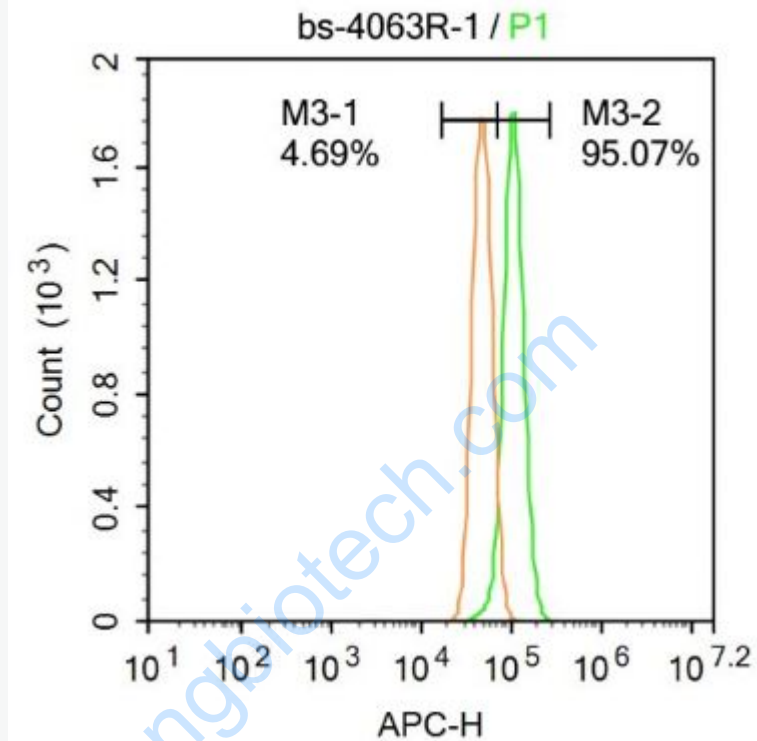
Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 1 μ g /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.



Blank control (Black line): A431 (Black).

Primary Antibody (green line): Rabbit Anti-HMGCR antibody (SL4063R)

Dilution: $1\mu\text{g} / 10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

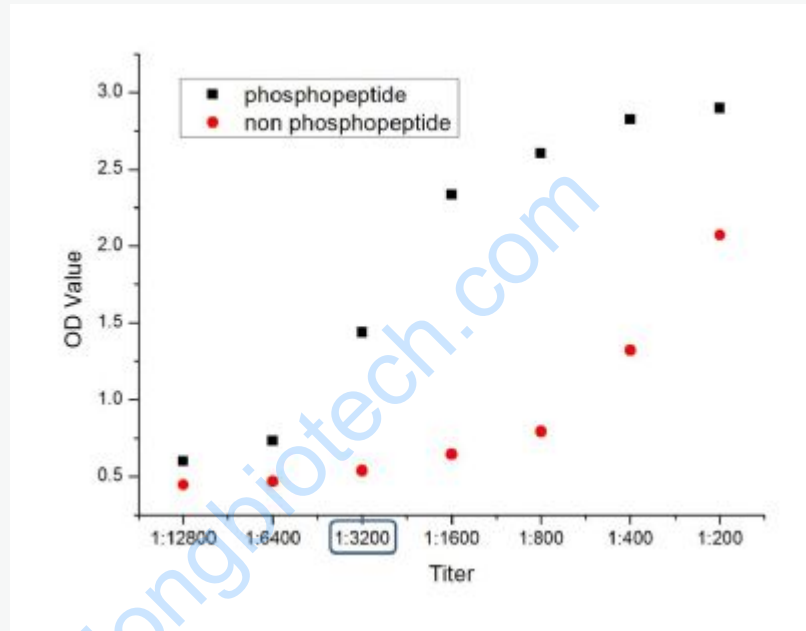
Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647

Dilution: $1\mu\text{g} / \text{test}$.

Protocol

The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at

-20°C .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



phosphopeptide non phosphopeptide