

Rabbit Anti-HMGCR/AP Conjugated antibody

SL5068R-AP

Product Name	Anti-HMGCR/AP
Chinese Name	碱性磷酸酶（AP）标记的三羟基三甲基辅酶 A 还原酶抗体
Alias	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.
Research Area	Tumour Cell biology immunology Signal transduction transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human
Applications	IHC-P=1:50-200 IHC-F=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	97kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HMGCR
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: HMG-CoA reductase is the rate-limiting enzyme for cholesterol synthesis and is regulated via a negative feedback mechanism mediated by sterols and

non-sterol metabolites derived from mevalonate, the product of the reaction catalyzed by reductase. Normally in mammalian cells this enzyme is suppressed by cholesterol derived from the internalization and degradation of low density lipoprotein (LDL) via the LDL receptor. Competitive inhibitors of the reductase induce the expression of LDL receptors in the liver, which in turn increases the catabolism of plasma LDL and lowers the plasma concentration of cholesterol, an important determinant of atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

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. Peroxisome membrane.

Similarity:

Belongs to the HMG-CoA reductase family.

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



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