[KO Validated] HMGCR Rabbit Polyclonal Antibody



CAB14741

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

101kDa

Calculated MW:

92kDa/97kDa/99kDa

Applications:

Reactivity:

WB

Human, Mouse

Protein 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.

Immunogen information

Gene ID: 3156

Uniprot P04035

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000

Synonyms:

HMGCR; LDLCQ3; HMGCR

Source:

Rabbit

Immunogen:

Recombinant fusion protein containing a sequence corresponding

to amino acids 629-888 of human HMGCR (NP_000850.1).

Isotype:

IgG

Storage:

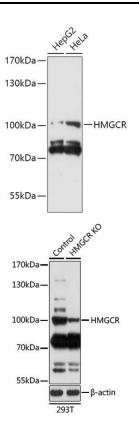
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

Purification:

Affinity purification

Product Images



Western blot analysis of extracts of various cell lines, using HMGCR antibody (CAB14741) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.

Western blot analysis of extracts from normal (control) and HMGCR knockout (KO) 293T cells, using HMGCR antibody (CAB14741) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3min.