

HMGCR polyclonal antibody

Catalog: BS80309

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Refer to figures

Swiss-Prot:

P04035

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

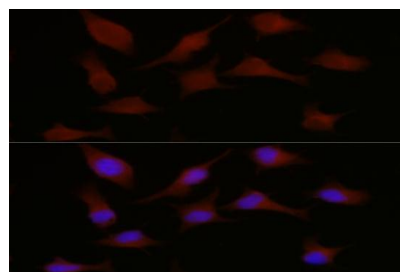
Modification:

Unmodification

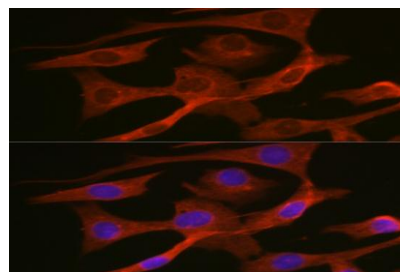
DATA:

Western blot analysis of various lysates, using HMGCR antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30.

Immunofluorescence analysis of A-549 cells using HMGCR Rabbit pAb at dilution of 1:200. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using HMGCR Rabbit pAb at dilution of 1:200. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using HMGCR Rabbit pAb at dilution of 1:200. Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

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