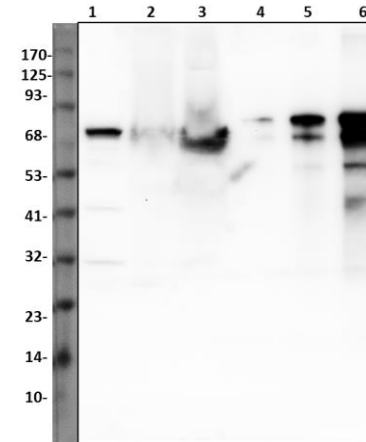


## Anti-HMG CoA Reductase Antibody

<b>CATALOG NO:</b>	A1304-30T 30 µg (Trial size) A1304-100 100 µg
<b>ALTERNATIVE NAMES:</b>	3-Hydroxy-3-methylglutaryl-CoA reductase, HMGR, HMGCR
<b>CONCENTRATION:</b>	0.5 mg/ml
<b>IMMUNOGEN:</b>	GST Tagged recombinant human HMG-CoA Reductase Catalytic Domain (aa 426–888)
<b>INTERNAL ID:</b>	BV-Q21
<b>HOST/ISOTYPE:</b>	Rabbit IgG
<b>PURIFICATION:</b>	Affinity purified rabbit IgG
<b>FORM:</b>	Liquid
<b>SPECIES REACTIVITY:</b>	Human
<b>FORMULATION:</b>	In PBS pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid repeated freeze/thaw cycles.
<b>DESCRIPTION:</b>	HMG-CoA reductase (3-hydroxy-3-methyl-glutaryl-CoA reductase or HMGR) (EC 1.1.1.34) is a transmembrane protein involved in the mevalonate pathway, the metabolic pathway that produces cholesterol from acetyl-CoA. In an NADPH-dependent reaction, HMG-CoA reductase reduces HMG-CoA to generate mevalonate and CoA. Since HMG-CoA reductase catalyzes the rate limiting step in cholesterol synthesis, it is a primary target of a group of cholesterol-lowering drugs known as statins. Inhibition of HMG-CoA reductase induces expression of LDL receptors in the liver, which lowers plasma concentration of cholesterol.
<b>APPLICATION:</b>	Western blot: 1-4 µg

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



**Western blot of human HMG CoA antibody:**

Lane 1: Rat kidney lysate  
Lane 2: HeLa cell lysate  
Lane 3: HepG2 cell lysate  
Lane 4: HMG CoA reductase 2 ng  
Lane 5: HMG CoA reductase 10 ng  
Lane 6: HMG CoA reductase 50 ng

### RELATED PRODUCTS:

- HMG-CoA Reductase Activity/Inhibitor Screening Kit (Colorimetric) (**Cat. No. K588**)
- HMG-CoA Reductase Catalytic Domain (GST Tagged), human recombinant (**Cat. No. 7841**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**