

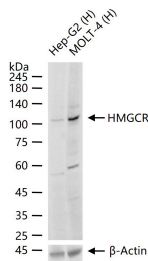
## Anti-HMGCR Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 97 kDa. Actual: 105 kDa.
Purification:	Protein A purified

### Applications

**Verified Activity:** 25 µg total protein per Lane of various lysates probed with HMGCR polyclonal antibody, unconjugated (TMAB-00872) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.



Application:	WB
Recommended	WB=1:1000-5000

### Properties

**Stability & Storage:** Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

**Shipping:** Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human HMGCR
Antigen Species:	Human
Gene ID:	3156
Uniprot ID:	P04035
Synonyms:	3-hydroxy-3-methylglutaryl-coenzyme A reductase;HMGCR;HMG-CoA reductase
Biology Area:	Metabolism of lipids and lipoproteins,Lipoprotein metabolism,Cholesterol Metabolism,Cholesterol Metabolism,Lipid metabolism,Lipoprotein metabolism,Heart disease,Lipid metabolism

### Research 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

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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].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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