

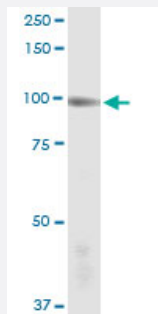
MaxPab®

HMGR MaxPab rabbit polyclonal antibody (D01)

Catalog # H00003156-D01

Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of HMGR transfected lysate using anti-HMGR MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with HMGR purified MaxPab mouse polyclonal antibody (B01P) ([H00003156-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human HMGR protein.

Immunogen

HMGR (AAH33692.1, 1 a.a. ~ 835 a.a) full-length human protein.

Sequence

MLSRLFRMHGLFVASHPWVVGTVTLTICMMSNMFTGNNKICGWNYECPKFEEDVLSSDIILTT
 RCIALYYFQFQNLRLQSGSKYLGIAGLFTIFSSVFSTVVIHFLDKELTGLNEALPFFLLIDLSRASTL
 AKFALSSNSQDEVRENIARGMAILGPTFTLDALVECLVIGVGTMSGVRQLEIMCCFGCMSVLANYF
 VFMTFFPACVSLVLELSRESREGRPIWQLSHFARVLEEEENKPNPVTQVRVKMIMSLGLVLVHAHS
 RWIADPSPQNSTADTSKVSLGLDENVSKRIEPSVSLWQFYLSKMISMIDIEQVITLSLALLLAVKYIFF
 EQTETESTLSLKNPITSPVVTQKKVPDNCRRPMLVRNNQKCDSEEEETGINRERKVEVIKPLV
 AETDTPNRATFVVGNSLLDTSSVLVTQEPEIELPREPRNEECLQILGNAEKGAFLSDAEIQLV
 NAKHIPAYKLETLMETHERGVSIRRQLLSKKLSEPSQLQYLPYRDYNYSLLGGASSRVLADGMTR
 GPVVRLPACDSAEVKAWLETSEGFVIAKEAFDSTSRFARLQKLHTSIAGRNLIRFQSRSGDAM
 GMNMISKGTEKALSKLHEYFPEMQILAVSGNYCTDKKPAAINWIEGRGKSVVCEAVIPAKVVREVL
 KTTTEAMIEVNINKNLVGSAMAGSIGGYNAHAANIVTAMACGQDAAQNVGSSNCITLMEASGPTNE
 DLYISCTMPSIEIGTVGGGTNLLPQQACLQMLGVQGACKDNPGENARQLARVCGTVMAGELSLM
 AALAAGHLVKSHMIHNRSKINLQDLQGACTKTA

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence	Mouse (88); Rat (87)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

Immunoprecipitation of HMGCR transfected lysate using anti-HMGCR MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with HMGCR purified MaxPab mouse polyclonal antibody (B01P) ([H00003156-B01P](#)).

[Protocol Download](#)

Gene Info — HMGCR

Entrez GeneID	3156
GeneBank Accession#	BC033692.1
Protein Accession#	AAH33692.1
Gene Name	HMGCR
Gene Alias	-
Gene Description	3-hydroxy-3-methylglutaryl-Coenzyme A reductase
Omim ID	142910
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	3-hydroxy-3-methylglutaryl CoA reductase (NADPH) hydroxymethylglutaryl-CoA reductase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Terpenoid backbone biosynthesis](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)

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- [Liver Neoplasms](#)
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- [Neoplasms](#)
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- [Osteoporosis](#)
- [Polycystic Ovary Syndrome](#)
- [Pulmonary Disease](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)