

Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody
Catalog # ABO13738**Specification****Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody - Product Information**

Application	WB, IP
Primary Accession	P04035
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody - Additional Information

Gene ID 3156

Other Names

3-hydroxy-3-methylglutaryl-coenzyme A reductase, HMG-CoA reductase, 1.1.1.34, HMGCR ([HGNC:5006](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=5006))

Calculated MW

97476 MW KDa

Application Details

WB 1:500-1:2000
IP 1:50

Subcellular Localization

Endoplasmic reticulum membrane; Multi-pass membrane protein.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human HMGCR

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody - Protein Information

Name HMGCR ([HGNC:5006](#))

Function

Catalyzes the conversion of (3S)-hydroxy-3-methylglutaryl-CoA (HMG-CoA) to mevalonic acid, the rate-limiting step in the synthesis of cholesterol and other isoprenoids, thus plays a critical role in cellular cholesterol homeostasis (PubMed: [21357570](http://www.uniprot.org/citations/21357570), PubMed: [2991281](http://www.uniprot.org/citations/2991281), PubMed: [36745799](http://www.uniprot.org/citations/36745799), PubMed: [6995544](http://www.uniprot.org/citations/6995544)). HMGCR is the main target of statins, a class of cholesterol-lowering drugs (PubMed: [11349148](http://www.uniprot.org/citations/11349148), PubMed: [18540668](http://www.uniprot.org/citations/18540668), PubMed: [36745799](http://www.uniprot.org/citations/36745799)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P00347}. Peroxisome membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P00347}

Tissue Location

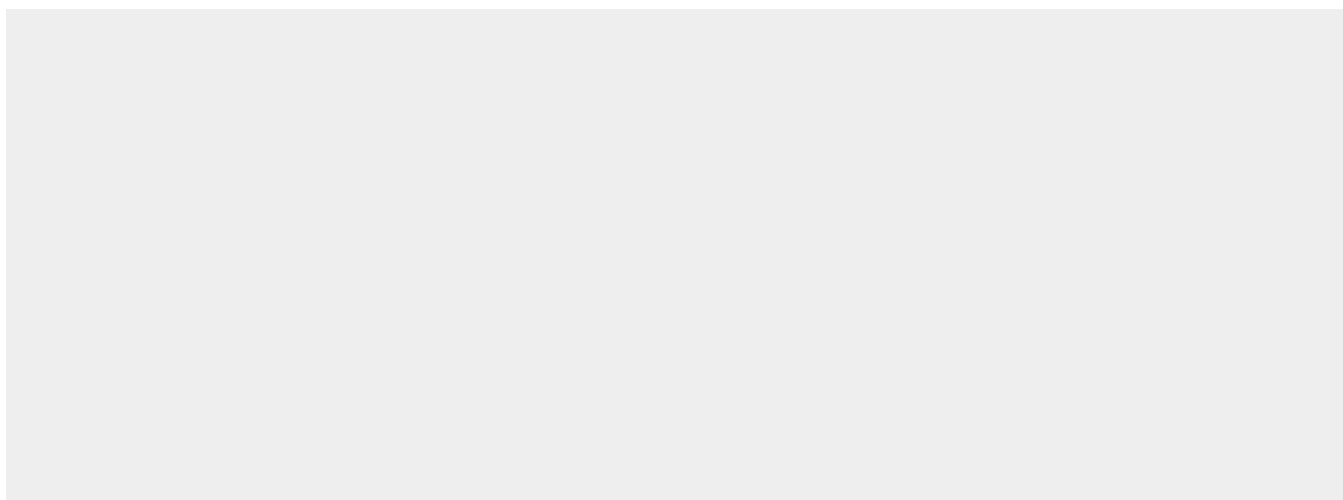
[Isoform 1]: Ubiquitously expressed with the highest levels in the cerebellum, fetal brain, testis, skin and adrenal gland. [Isoform 3]: Low abundance except in skin, esophagus, and uterine cervix.

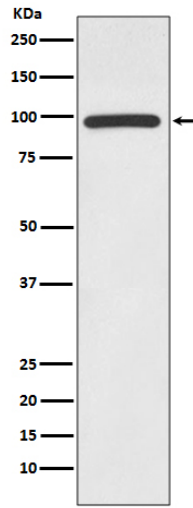
Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody - Images





Western blot analysis of HMGR expression in Jurkat cell lysate.