10320 Camino Santa Fe, Suite G
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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)

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.**

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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, PubMed:2991281, PubMed:36745799, PubMed:6995544). HMGCR is the main target of statins, a class of cholesterol-lowering drugs (PubMed:11349148, PubMed:18540668, PubMed: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 Cytomety
- Cell Culture

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

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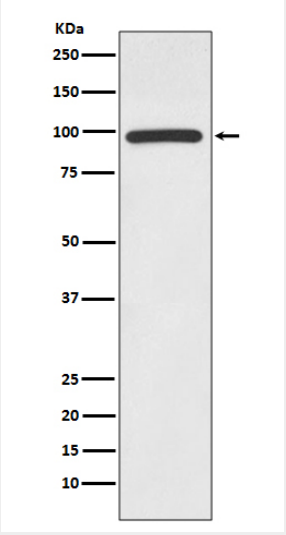

Western blot analysis of HMGCR expression in Jurkat cell lysate.