

Anti-HMGCR/Hmg Coa Reductase Rabbit Monoclonal Antibody

Catalog # ABO13738

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.

Additional Information

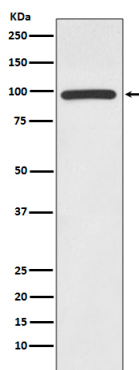
Gene ID	3156
Other Names	3-hydroxy-3-methylglutaryl-coenzyme A reductase, HMG-CoA reductase, 1.1.1.34, HMGCR (HGNC:5006)
Calculated MW	97476
Application Details	WB 1:500-1:2000 IP 1:50
Subcellular Localization	Endoplasmic reticulum membrane; Multi-pass membrane protein.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AOCC-8
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.

Protein Information

Name	HMGCR (HGNC:5006)
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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.

Images



Western blot analysis of HMGCR expression in Jurkat cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.