

Rabbit anti-Human HMGR Polyclonal Antibody | anti-HMGR antibody

HMGR Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293855	Rabbit	Human	Western Blot, Immunohistochemistry

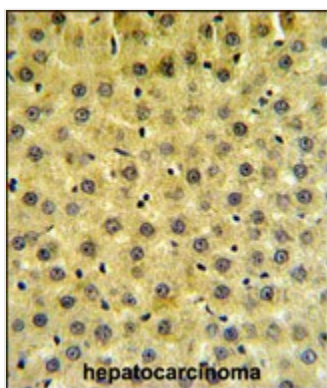
PRODUCT SYNONYMS

HMGR; Polyclonal Antibody; HMGR Antibody (Center); 3-hydroxy-3-methylglutaryl-coenzyme A reductase; HMG-CoA reductase; anti-HMGR antibody

PRODUCT SPECIFICATIONS

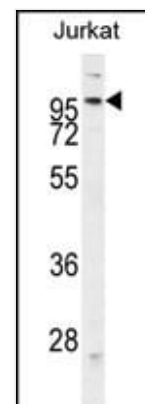
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This HMGR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 380~410 amino acids from the Center region of human HMGR.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Applicable Applications for anti-HMGR antibody	WB (Western Blot), IHC (Immunohistochemistry)
Antigen Region	380-410
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Dilution: IHC-P 1:50~100HMGR Antibody (Center) (Cat. #AAA293855) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HMGR Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Dilution: WB 1:1000Western blot analysis of HMGR antibody (Center) (Cat. #AAA293855) in Jurkat cell line lysates (35ug/lane). HMGR (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HMGCR antibody	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.
Product Categories/Family for anti-HMGCR antibody	Primary Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction
References	Chen, Y.C., Lipids 44 (8), 733-743 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557643
NCBI GeneID	3156
NCBI Accession #	NP_000850.1; NP_001124468.1
NCBI GenBank Nucleotide #	NM_000859.2
UniProt Accession #	P04035; Q8N190; B7Z3Y9
Molecular Weight	97476 MW
NCBI Official Full Name	3-hydroxy-3-methylglutaryl-Coenzyme A reductase isoform 1
NCBI Official Synonym Full Names	3-hydroxy-3-methylglutaryl-CoA reductase
NCBI Official Symbol	HMGCR
NCBI Official Synonym Symbols	LDLCQ3
NCBI Protein Information	3-hydroxy-3-methylglutaryl-Coenzyme A reductase
UniProt Protein Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase
UniProt Gene Name	HMGCR
UniProt Synonym Gene Names	HMG-CoA reductase
UniProt Entry Name	HMDH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.