

Rabbit anti-Human HMGCS1 Polyclonal Antibody | anti-HMGCS1 antibody

HMGCS1 Antibody

CATALOG # AAA302876	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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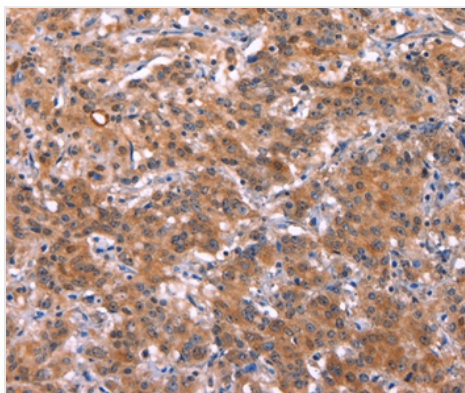
PRODUCT SYNONYMS

HMGCS1; Polyclonal Antibody; HMGCS1 Antibody; HMGCS; anti-HMGCS1 antibody

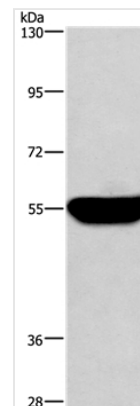
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HMGCS1 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	2.3 mg/ml (varies by lot)
Sequence Length	520
Applicable Applications for anti-HMGCS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human 3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)
Target Name	HMGCS1
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using at dilution 1/40.


Application Data

Gel: 6%SDS-PAGE Lysates (from left to right): Human fetal liver tissue Amount of lysate: 40ug per lane Primary antibody: 1/300 dilution Secondary antibody dilution: 1/8000 Exposure time: 30 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-HMGCS1 antibody	HMG-CoA Synthase exists as both a mitochondrial (mHMGCS) and cytoplasmic (cHMGCS) enzyme that condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA. The HMG-CoA produced by cHMGCS is transformed into mevalonate by HMG-CoA reductase, which starts isoprenoid biosynthesis. End products of the isoprenoid pathway include cholesterol, ubiquinone, dolichol, isopentenyl adenosine and farnesyl groups. mHMGCS, together with HMG-CoA Lyase, is responsible for ketone body biosynthesis. mHMGCS is expressed in liver and kidney. Fasting, cAMP and fatty acids increase the level of transcription of mHMGCS, while feeding and insulin repress it. A regulatory element within the mHMGCS promoter confers transcriptional regulation by PPAR, RXR, COUP-TF and HNF-4.
Product Categories/Family for anti-HMGCS1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	148298677
NCBI GeneID	3157
NCBI Accession #	NP_001091742.1
NCBI GenBank Nucleotide #	NM_001098272.2
UniProt Accession #	Q01581; B2RDL8
Molecular Weight	57,294 Da
NCBI Official Full Name	hydroxymethylglutaryl-CoA synthase, cytoplasmic
NCBI Official Synonym Full Names	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)
NCBI Official Symbol	HMGCS1
NCBI Official Synonym Symbols	HMGCS
NCBI Protein Information	hydroxymethylglutaryl-CoA synthase, cytoplasmic
UniProt Protein Name	Hydroxymethylglutaryl-CoA synthase, cytoplasmic
UniProt Gene Name	HMGCS1
UniProt Synonym Gene Names	HMGCS; HMG-CoA synthase
UniProt Entry Name	HMCS1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hmgcs1-antibody-immunohistochemistry-western-blot-elisa/302876>