

Rabbit anti-Human HMGCS2 Polyclonal Antibody | anti-HMGCS2 antibody

HMGCS2 Antibody (C-term)

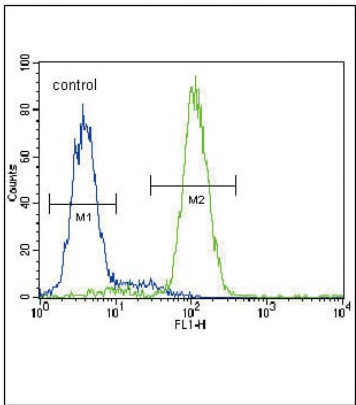
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287609	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

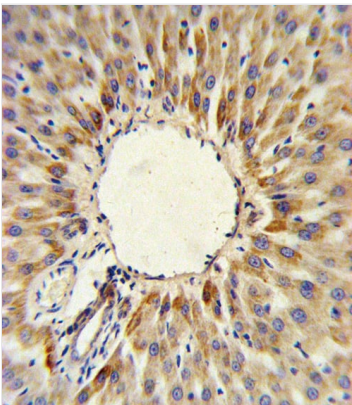
HMGCS2; Polyclonal Antibody; HMGCS2 Antibody (C-term); Hydroxymethylglutaryl-CoA synthase; mitochondrial; HMG-CoA synthase; 3-hydroxy-3-methylglutaryl coenzyme A synthase; anti-HMGCS2 antibody

PRODUCT SPECIFICATIONS

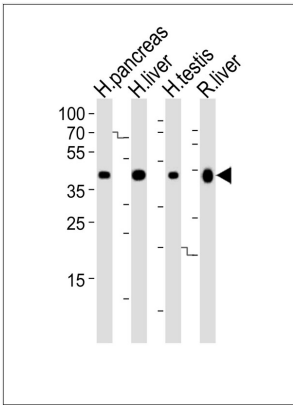
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HMGCS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 478-508 amino acids from the C-terminal region of human HMGCS2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	478-508
Sequence Length	453
Applicable Applications for anti-HMGCS2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
HMGCS2 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
HMGCS2 Antibody (C-term) 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 HMGCS2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysates from human pancreas, liver, testis and rat liver tissue lysate (from left to right), using HMGCS2 Antibody (C-term). AAA287609 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-HMGCS2 antibody	HMGCS2 belongs to the HMG-CoA synthase family. It is a mitochondrial enzyme that catalyzes the first reaction of ketogenesis, a metabolic pathway that provides lipid-derived energy for various organs during times of carbohydrate deprivation, such as fasting.
Product Categories/Family for anti-HMGCS2 antibody	Crown Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction
References	Lu,Y., et.al., J. Lipid Res. 49 (12), 2582-2589 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	260656028
NCBI GeneID	3158
NCBI Accession #	NP_001159579.1; NP_005509.1
NCBI GenBank Nucleotide #	NM_001166107.1
UniProt Accession #	P54868; Q5SZU2; Q6IBF4; B7Z8R3; D3Y5K6

Molecular Weight	56635
NCBI Official Full Name	hydroxymethylglutaryl-CoA synthase, mitochondrial isoform 2
NCBI Official Synonym Full Names	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)
NCBI Official Symbol	HMGCS2
NCBI Protein Information	hydroxymethylglutaryl-CoA synthase, mitochondrial
UniProt Protein Name	Hydroxymethylglutaryl-CoA synthase, mitochondrial
UniProt Gene Name	HMGCS2
UniProt Synonym Gene Names	HMG-CoA synthase
UniProt Entry Name	HMCS2_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/hmgcs2-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/287609>