

Rabbit HMGCS2 Polyclonal Antibody | anti-HMGCS2 antibody

HMGCS2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30568	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

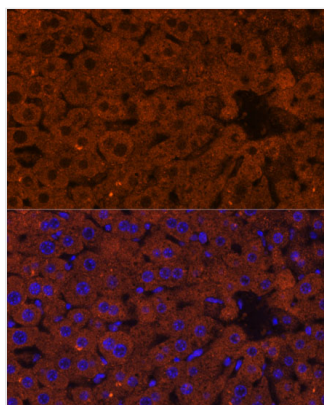
PRODUCT SYNONYMS

HMGCS2; Polyclonal Antibody; HMGCS2 Polyclonal Antibody; anti-HMGCS2 antibody

PRODUCT SPECIFICATIONS

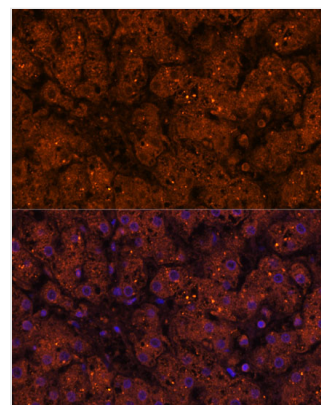
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 81% glycerol. PBS with 0.02% sodium azide, 50% glycerol, pH7.34
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HMGCS2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:100
Immunogen	Recombinant fusion protein of human HMGCS2 (NP_005509.1)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



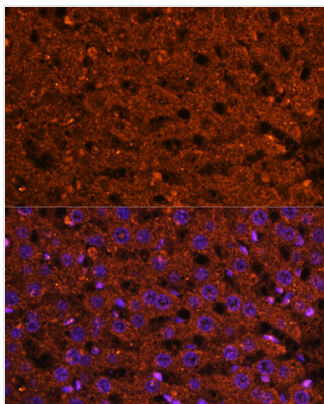
IF (Immunofluorescence)

Immunofluorescence analysis of mouse liver using HMGCS2 Polyclonal Antibody at dilution of 1:100 . Blue: DAPI for nuclear staining.



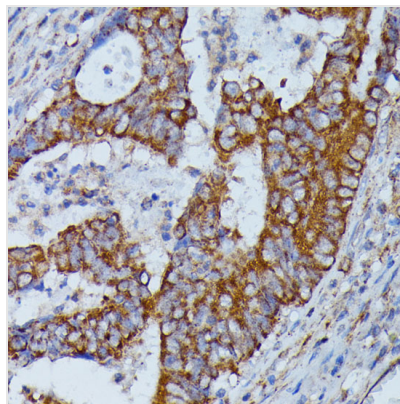
IF (Immunofluorescence)

Immunofluorescence analysis of human liver using HMGCS2 Polyclonal Antibody at dilution of 1:100 . Blue: DAPI for nuclear staining.



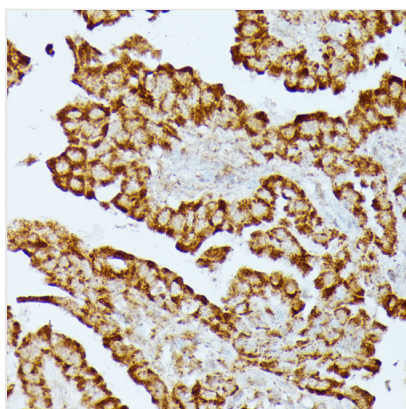
IF (Immunofluorescence)

Immunofluorescence analysis of rat liver using HMGCS2 Polyclonal Antibody at dilution of 1:100 . Blue: DAPI for nuclear staining.



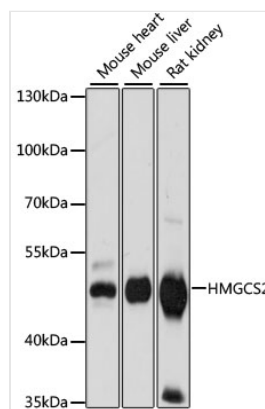
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using HMGCS2 antibody at dilution of 1:100 .



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human thyroid cancer using HMGCS2 antibody at dilution of 1:100 .



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HMGCS2 antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HMGCS2 antibody

The protein encoded by this gene 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. Mutations in this gene are associated with HMG-CoA synthase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Product Categories/Family for anti-HMGCS2 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031751
NCBI GeneID	3158
NCBI Accession #	NP_005509.1
NCBI GenBank Nucleotide #	NM_005518.3
UniProt Accession #	P54868; Q5SZU2; Q6IBF4; B7Z8R3; D3Y5K6
Molecular Weight	50,050 Da
NCBI Official Full Name	hydroxymethylglutaryl-CoA synthase, mitochondrial isoform 1
NCBI Official Synonym Full Names	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)

NCBI Official Symbol	HMGCS2
NCBI Protein Information	hydroxymethylglutaryl-CoA synthase, mitochondrial; HMG-CoA synthase; 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (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://www.aaabiotech.com/polyclonal/hmgcs2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/30568>