

Rabbit HMGCS1 Polyclonal Antibody | anti-HMGCS1 antibody

HMGCS1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285425	Rabbit	Human (Predicted Reactivity: Chicken, Hamster, Mouse, Rat)	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

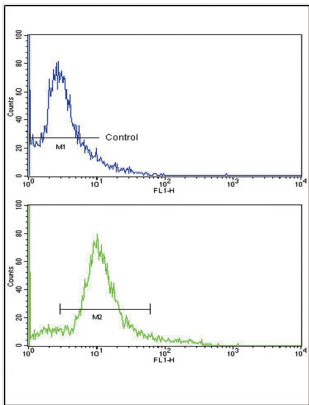
PRODUCT SYNONYMS

HMGCS1; Polyclonal Antibody; HMGCS1 Antibody (C-term); Hydroxymethylglutaryl-CoA synthase; cytoplasmic; HMG-CoA synthase; 3-hydroxy-3-methylglutaryl coenzyme A synthase; HMGCS; anti-HMGCS1 antibody

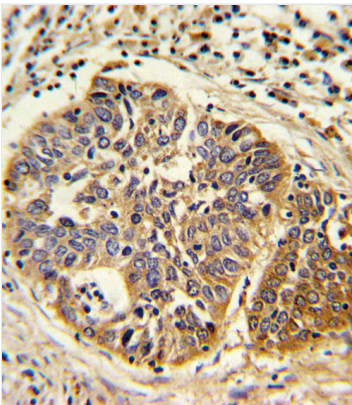
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HMGCS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 442-470 amino acids from the C-terminal region of human HMGCS1.
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	442-470
Sequence Length	520
Applicable Applications for anti-HMGCS1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
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.

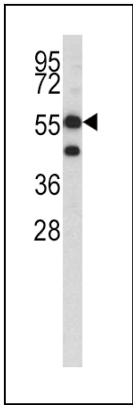
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of hela cells using HMGCS1 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with HMGCS1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HMGCS1 antibody (C-term) in K562 cell line lysates (35ug/lane). NKRF (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HMGCS1 antibody	HMGCS1 condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.
Product Categories/Family for anti-HMGCS1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Vock,C., Cell. Physiol. Biochem. 22 (5-6), 515-524 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	148298677
NCBI GeneID	3157
NCBI Accession #	NP_001091742.1; NP_002121.4
NCBI GenBank Nucleotide #	NM_001098272.2
UniProt Accession #	Q01581; B2RDL8
Molecular Weight	57294
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-flow-cytometry-elisa/285425>