

## Rabbit HMGCS1 Polyclonal Antibody | anti-HMGCS1 antibody

HMGCS1 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY                                                 | APPLICATIONS                                                                |
|-----------|--------|------------------------------------------------------------|-----------------------------------------------------------------------------|
| AAA289601 | Rabbit | Human, mouse (Predicted Reactivity: Chicken, Hamster, Rat) | Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA |

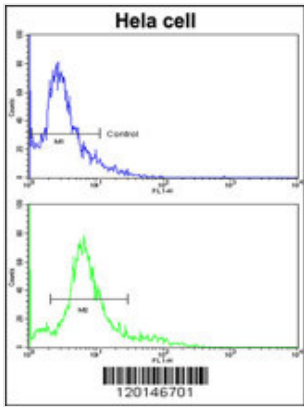
### PRODUCT SYNONYMS

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

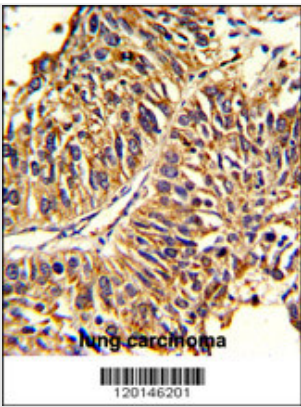
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human, mouse (Predicted Reactivity: Chicken, Hamster, Rat)                                                                                                                                |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This HMGCS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 290-317 amino acids from the Central 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                               | 290-317                                                                                                                                                                                   |
| Sequence Length                                  | 520                                                                                                                                                                                       |
| Applicable Applications for anti-HMGCS1 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.                                    |

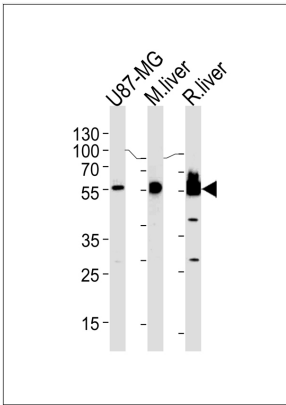
IMAGES



**FCM/FACS (Flow Cytometry)**  
Flow cytometric analysis of hela cells using HMGCS1 Antibody (Center)(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 (Center), 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)**  
HMGCS1 Antibody (Center) western blot analysis in U87-MG cell line,mouse liver and rat liver lysates (35ug/lane).This demonstrates the HMGCS1 antibody detected the HMGCS1 protein (arrow).

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   | Crown Antibodies; 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                | <b>HMGCS1</b>                                       |
| 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-western-blot-flow-cytometry-immunohistochemistry-elisa/289601>