

**HMGCL Antibody**  
**Rabbit mAb**  
**Catalog # AP93054**

## Specification

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### HMGCL Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P35914</a>
Clonality	Monoclonal
<b>Other Names</b>	
HMG CoA lyase; HMGCL; Hydroxymethylglutaricaciduria; MS725;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	34360 Da

### HMGCL Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human HMGCL
Description	Involved in the catabolism of branched amino acids such as leucine.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### HMGCL Antibody - Protein Information

**Name** HMGCL

#### Function

Mitochondrial 3-hydroxy-3-methylglutaryl-CoA lyase that catalyzes a cation-dependent cleavage of (S)-3-hydroxy-3-methylglutaryl-CoA into acetyl-CoA and acetoacetate, a key step in ketogenesis. Terminal step in leucine catabolism. Ketone bodies (beta-hydroxybutyrate, acetoacetate and acetone) are essential as an alternative source of energy to glucose, as lipid precursors and as regulators of metabolism.

#### Cellular Location

Mitochondrion matrix {ECO:0000250|UniProtKB:P38060}. Peroxisome {ECO:0000250|UniProtKB:P38060}. Note=Unprocessed form is peroxisomal {ECO:0000250|UniProtKB:P38060}

#### Tissue Location

Highest expression in liver. Expressed in pancreas, kidney, intestine, testis, fibroblasts and

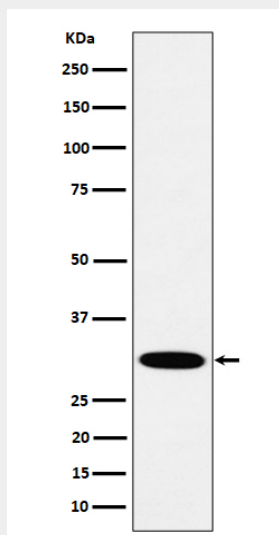
lymphoblasts. Very low expression in brain and skeletal muscle. The relative expression of isoform 2 (at mRNA level) is highest in heart (30%), skeletal muscle (22%), and brain (14%).

### **HMGCL Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **HMGCL Antibody - Images**



Western blot analysis of HMGCL expression in A431 cell lysate.