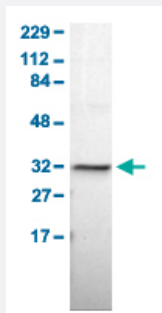


# HMGCL polyclonal antibody

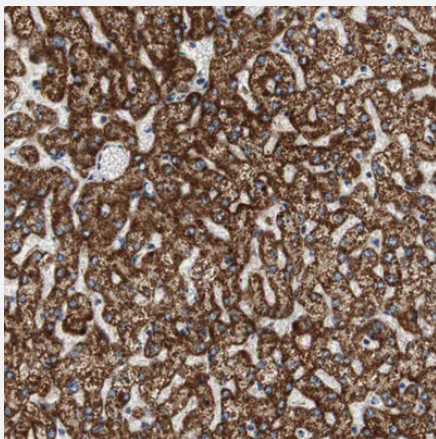
Catalog # PAB31126      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of human cell line RT-4.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver shows strong cytoplasmic positivity in hepatocytes.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human HMGCL.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 43-184 of human HMGCL.
<b>Sequence</b>	GLQNEKNIVSTPVKIKLIDMLSEAGLSVIETTSFVSPKWVPQMGDHTVLKGIQKFPGINYPVLTPNL KGFEAAVAAGAKEVVIFGAASELFTKKNINCSIEESFQRFDAILKAAQSANISVRGYVSCALGCPYE GKISPAK
<b>Host</b>	Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of human cell line RT-4.

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## Gene Info — HMGCL

Entrez GeneID	<a href="#">3155</a>
Protein Accession#	<a href="#">P35914</a>
Gene Name	HMGCL
Gene Alias	HL
Gene Description	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase
Omim ID	<a href="#">246450</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Other Designations**

3-hydroxy-3-methylglutaryl-Coenzyme A lyase (hydroxymethylglutaricaciduria)|3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (hydroxymethylglutaricaciduria)|OTTHUMP00000044830|hydroxymethylglutaricaciduria

**Publication Reference**

- [Ketone bodies and two-compartment tumor metabolism: stromal ketone production fuels mitochondrial biogenesis in epithelial cancer cells.](#)

Martinez-Outschoorn UE, Lin Z, Whitaker-Menezes D, Howell A, Lisanti MP, Sotgia F.

Cell Cycle 2012 Nov; 11(21):3956.

Application: IF, IHC-P, Human, Human breast cancers, MCF-7 cells

**Pathway**

- [Butanoate metabolism](#)
- [Metabolic pathways](#)
- [Synthesis and degradation of ketone bodies](#)
- [Valine](#)

**Disease**

- [Atherosclerosis](#)