

**ARG56393**  
**anti-HMGCL antibody**Package: 100 µl  
Store at: -20°C**Summary**

Product Description	Rabbit Polyclonal antibody recognizes HMGCL
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HMGCL
Species	Human
Immunogen	Recombinant protein of Human HMGCL
Conjugation	Un-conjugated
Alternate Names	EC 4.1.3.4; HMG-CoA lyase; 3-hydroxy-3-methylglutarate-CoA lyase; HL; Hydroxymethylglutaryl-CoA lyase, mitochondrial

**Application Instructions**

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SKOV3	

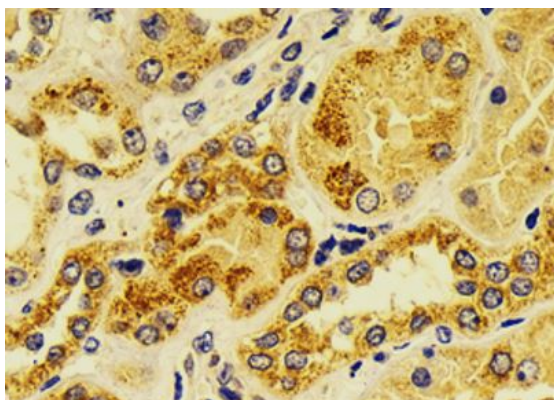
**Properties**

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

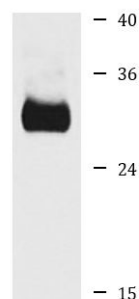
Gene Symbol	HMGCL
Gene Full Name	3-hydroxymethyl-3-methylglutaryl-CoA lyase
Background	The protein encoded by this gene belongs to the HMG-CoA lyase family. It is a mitochondrial enzyme that catalyzes the final step of leucine degradation and plays a key role in ketone body formation. Mutations in this gene are associated with HMG-CoA lyase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
Function	Key enzyme in ketogenesis (ketone body formation). 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. [UniProt]
Calculated Mw	34 kDa

## Images



ARG56393 anti-HMGCL antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney stained with ARG56393 anti-HMGCL antibody at 1:100 dilution.



SKOV3

ARG56393 anti-HMGCL antibody WB image

Western blot: SKOV3 cell lysate stained with ARG56393 anti-HMGCL antibody.