

## HMGCL rabbit pAb

<b>Catalog No :</b>	YT8089
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;WB
<b>Target :</b>	HMGCL
<b>Gene Name :</b>	HMGCL
<b>Protein Name :</b>	Hydroxymethylglutaryl-CoA lyase, mitochondrial (HL) (HMG-CoA lyase) (EC 4.1.3.4) (3-hydroxy-3-methylglutarate-CoA lyase)
<b>Human Gene Id :</b>	3155
<b>Human Swiss Prot No :</b>	P35914
<b>Mouse Gene Id :</b>	15356
<b>Mouse Swiss Prot No :</b>	P38060
<b>Rat Gene Id :</b>	79238
<b>Rat Swiss Prot No :</b>	P97519
<b>Immunogen :</b>	Synthesized peptide derived from human C-terminal HMGCL
<b>Specificity :</b>	This antibody detects endogenous levels of HMGCL at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	36kD
<b>Function :</b>	Mitochondrial 3-hydroxymethyl-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.
<b>Subcellular Location :</b>	Mitochondrion matrix . Peroxisome . Unprocessed form is peroxisomal .
<b>Expression :</b>	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%).

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