

HMGCL rabbit pAb

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

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 36kD

Function : 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.

Subcellular Location : Mitochondrion matrix . Peroxisome . Unprocessed form is peroxisomal .

Expression : 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%).

Products Images