



HMGCL rabbit pAb

Catalog No	YP-Ab-17246
Isotype	IgG
Reactivity	Human, Mouse,Rat
Applications	IHC,WB
Gene Name	HMGCL
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	Rabbit,polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HMG-CoA lyase;HMG CoA lyase;HL;EC:4.1.3.4;HMGCL;Hydroxymethylglutaryl-CoA lyase;mitochondrial (HL) (HMG-CoA lyase) (EC 4.1.3.4) (3-hydroxy-3-methylglutarate-CoA lyase)
Observed Band	34 kDa
Calculated Molecular Weight	325 aa, 34 kDa
Cell Pathway	Mitochondrion matrix . Peroxisome . Unprocessed form is peroxisomal. .
Tissue Specificity	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%).
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.
Background	

**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images