

Product Name: HMGCL Rabbit Monoclonal Antibody
Catalog #: AMRe84083



Summary

Production Name	HMGCL Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	HMGCL
Alternative Names	HMG CoA lyase; HMGCL; Hydroxymethylglutaricaciduria; MS725;;HMGCL
Gene ID	
SwissProt ID	P35914. A synthesized peptide derived from human HMGCL

Application

Dilution Ratio	WB:1:1000-1:2000,IHC:1:100-1:200
Molecular Weight	Calculated MW: 34 kDa ; Observed MW: 30 kDa

Background

Mitochondrial 3-hydroxymethyl-3-methylglutaryl-CoA lyase that catalyzes a cation-dependent cleavage of (S)-3-hydroxy-

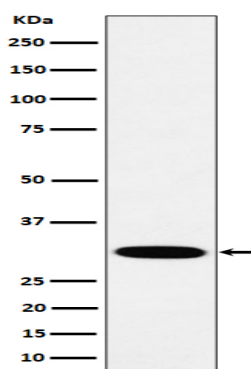
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3-methylglutaryl-CoA into acetyl-CoA and acetoacetate, a key step in ketogenesis. Terminal step in leucine catabolism. Ketone bodies (beta-hydroxybutyrate, acetoacetate and acetone) are essential as an alternative source of energy to glucose, as lipid precursors and as regulators of metabolism.

Research Area

Image Data



Western blot analysis of HMGCL expression in A431 cell lysate.

Note

For research use only.