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HMGCL Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HMGCL.
Catalog # AT2388a

Product Information

Application	WB
Primary Accession	P35914
Other Accession	BC010570
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	4F4-D1
Calculated MW	34360

Additional Information

Gene ID	3155
Other Names	Hydroxymethylglutaryl-CoA lyase, mitochondrial, HL, HMG-CoA lyase, 3-hydroxy-3-methylglutarate-CoA lyase, HMGCL
Target/Specificity	HMGCL (AAH10570, 1 a.a. ~ 325 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HMGCL Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

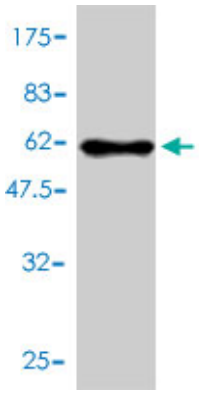
The protein encoded by this gene belongs to the HMG-CoA lyase family. It is a mitochondrial enzyme that catalyzes the final step of leucine degradation and plays a key role in ketone body formation. Mutations in this gene are associated with HMG-CoA lyase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

References

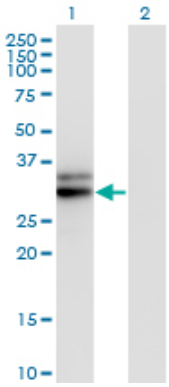
1.Characterization of a novel HMG-CoA Lyase enzyme with a dual location in endoplasmic reticulum and cytosol.Arnedo M, Menao S, Puisac B, Teresa-Rodrigo ME, Gil-Rodriguez MC, Lopez-Vinas E, Gomez-Puertas

P, Casals N, Casale CH, Hegardt FG, Pie J.J Lipid Res. 2012 Jul 30.2.Differential HMG-CoA lyase expression in human tissues provides clues about 3-hydroxy-3-methylglutaric aciduria.Puisac B, Arnedo M, Casale CH, Ribate MP, Castiella T, Ramos FJ, Ribes A, Perez-Cerda C, Casals N, Hegardt FG, Pie J.J Inherit Metab Dis. 2010 Aug;33(4):405-10. Epub 2010 Jun 8.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (61.49 KDa) .



Western Blot analysis of HMGCL expression in transfected 293T cell line by HMGCL monoclonal antibody (M01), clone 4F4-D1.

Lane 1: HMGCL transfected lysate(34.4 KDa).
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.