

HMGCL Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant HMGCL.****Catalog # AT2388a****Specification**

HMGCL Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	P35914
Other Accession	BC010570
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Calculated MW	34360

HMGCL Antibody (monoclonal) (M01) - 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.

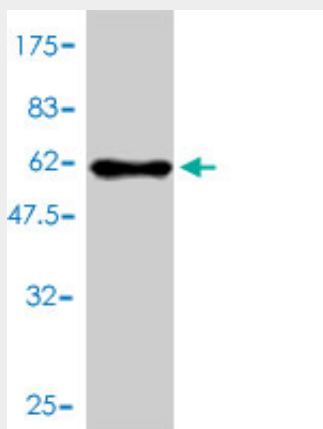
HMGCL Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

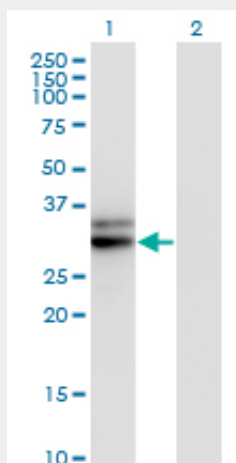
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HMGCL Antibody (monoclonal) (M01) - 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.

HMGCL Antibody (monoclonal) (M01) - 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.

HMGCL Antibody (monoclonal) (M01) - 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.