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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HMGCS2 monoclonal antibody (M06), clone 1E9

Catalog # : H00003158-M06

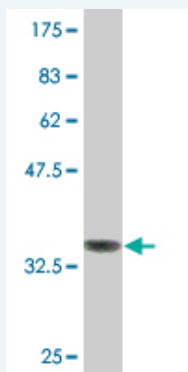
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant HMGCS2.
Immunogen:	HMGCS2 (NP_005509.1, 424 a.a. ~ 508 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	RVSQDAAPGSPLDKLVSSTSDLPKRLASRKCVSPEEFTEIMNQREQFYH KVNFSPPGDTNSLFPGTWYLERVDEQHRRKYARRPV
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.09 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

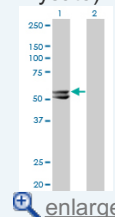
Datasheet: [Download](#)

Applications

Western Blot (Transfected lysate)

Application Image

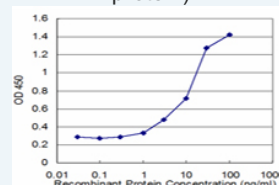
Western Blot (Transfected lysate)



[enlarge](#)

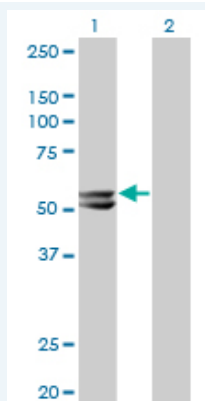
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



Western Blot analysis of HMGCS2 expression in transfected 293T cell line by HMGCS2 monoclonal antibody (M06), clone 1E9.

Lane 1: HMGCS2 transfected lysate(56.6 KDa).

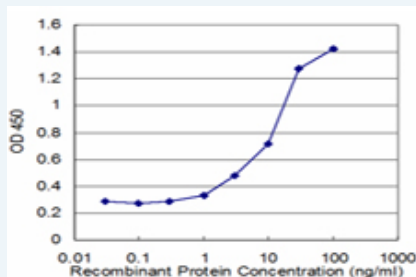
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged HMGCS2 is approximately 1ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [3158](#)

GeneBank [NM_005518](#)

Accession#:

Protein [NP_005509.1](#)

Accession#:

Gene Name: HMGCS2

Gene Alias: -

Gene Description: 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)

Omim ID: [600234](#), [605911](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Mitochondrial 3-hydroxy-3-methylglutaryl CoA synthase (HMGCS2; EC 2.3.3.10) mediates the first reaction of ketogenesis, a metabolic pathway that provides lipid-derived energy for brain, heart, kidney, and other organs during times of carbohydrate deprivation such as fasting (Robinson and Williamson, 1980 [PubMed 6986618]). Also see

cytoplasmic HMG-CoA synthase (HMGCS1; MIM 142940), which mediates an early step in cholesterol synthesis.[supplied by OMIM]

Other OTTHUMP00000013928,hydroxymethylglutaryl-CoA synthase 2
Designations:

Gene Pathway

[Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
[Biosynthesis of plant hormones](#) [Biosynthesis of terpenoids and steroids](#)
[Butanoate metabolism](#) [Metabolic pathways](#) [PPAR signaling pathway](#)
[Synthesis and degradation of ketone bodies](#) [Terpenoid backbone biosynthesis](#)
[Valine, leucine and isoleucine degradation](#)

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