

HMGCS2 Rabbit mAb

Catalog No.: A23545 **Recombinant**

Basic Information

Observed MW

50kDa

Calculated MW

50KDa/52KDa/56KDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC60090

Background

The protein encoded by this gene belongs to the HMG-CoA synthase family. It is a mitochondrial enzyme that catalyzes the first reaction of ketogenesis, a metabolic pathway that provides lipid-derived energy for various organs during times of carbohydrate deprivation, such as fasting. Mutations in this gene are associated with HMG-CoA synthase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:1000 - 1:5000

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

3158

Swiss Prot

P54868

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 400-500 of human HMGCS2. (NP_005509.1).

Synonyms

HMGCS2; Hydroxymethylglutaryl-CoA synthase; mitochondrial; 3-hydroxy-3-methylglutaryl coenzyme A synthase; 3-hydroxy-3-methylglutaryl-CoA synthase 2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

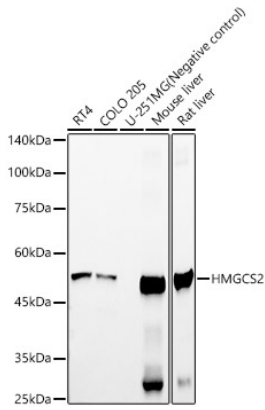
Affinity purification

Storage

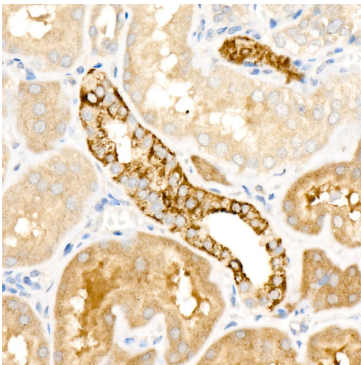
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

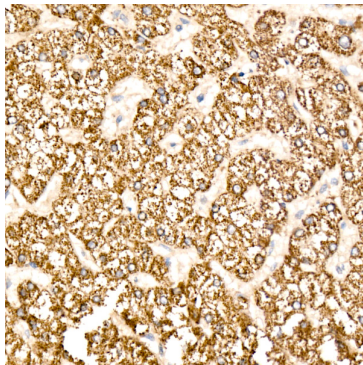
Validation Data



Western blot analysis of various lysates, using HMGCS2 Rabbit mAb (A23545) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human kidney using HMGCS2 Rabbit mAb (A23545) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using HMGCS2 Rabbit mAb (A23545) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.