HMGCS2 Polyclonal Antibody

Catalog No: #29188

Package Size: #29188-1 50ul #29188-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

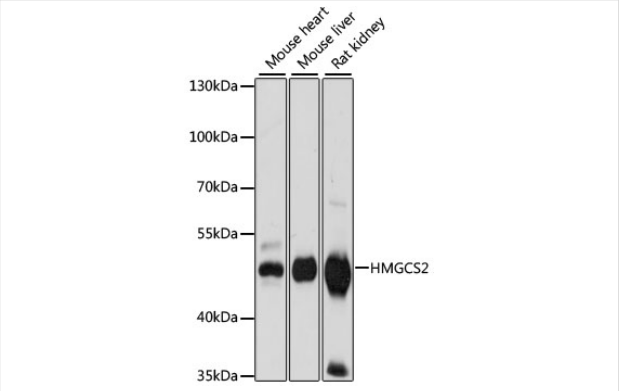
Description

Product Name	HMGCS2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human HMGCS2 (NP_005509.1).
Conjugates	Unconjugated
Other Names	HMGCS2
Accession No.	GeneID:3158Swiss Prot:P54868
Calculated MW	50kDa/52kDa/56kDa
SDS-PAGE MW	50kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 81% glycerol.
Storage	Store at -20°C. Avoid freeze / thaw cycles.|Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.34.

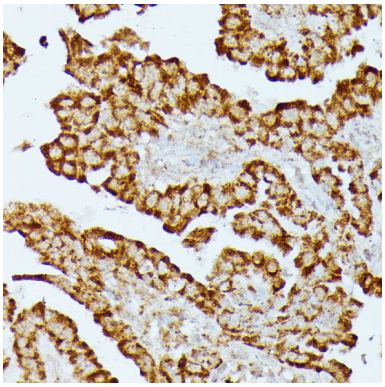
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100IF□1:50 - 1:100

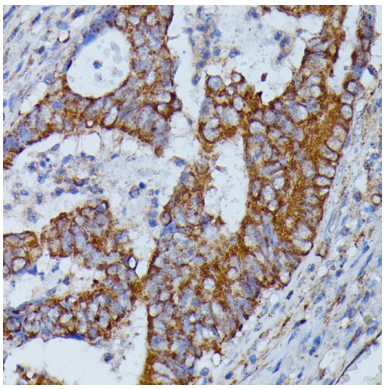
Images



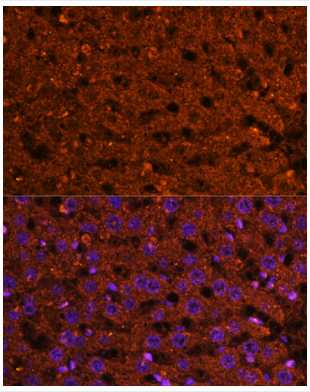
Western blot analysis of extracts of various cell lines, using HMGCS2 antibody at 1:1000 dilution.



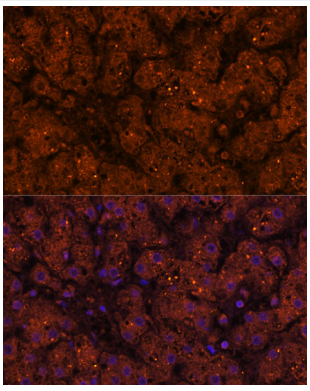
Immunohistochemistry of paraffin-embedded human thyroid cancer using HMGCS2 antibody at dilution of 1:100 .



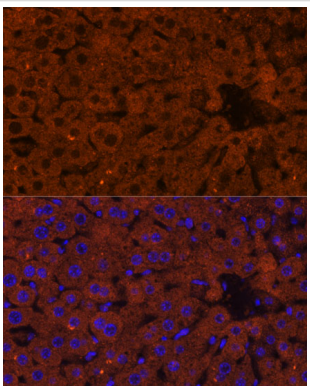
Immunohistochemistry of paraffin-embedded human colon carcinoma using HMGCS2 antibody at dilution of 1:100 .



Immunofluorescence analysis of rat liver using HMGCS2 Polyclonal Antibody at dilution of 1:100 . Blue: DAPI for nuclear staining.



Immunofluorescence analysis of human liver using HMGCS2 Polyclonal Antibody at dilution of 1:100 . Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse liver using HMGCS2 Polyclonal Antibody at dilution of 1:100 . Blue: DAPI for nuclear staining.

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.

Published Papers

el at., Quantitative proteomics analysis based on data-independent acquisition reveals the effect of Shenling Baizhu powder (SLP) on protein expression in MAFLD rat liver tissueInClin ProteomicsOn2023 Dec 1bySufei Song?1,?Jixian Zheng?2 et al..PMID:?38036981, , (2023)
PMID:38036981

Note: This product is for in vitro research use only and is not intended for use in humans or animals.