

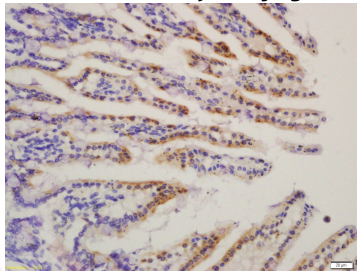
Anti-HMGCS2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 52 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Tissue/cell: rat colitis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HMGCS2 Polyclonal Antibody, Unconjugated (TMAB-00874) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
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Application:	IF,IHC-Fr,IHC-P
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human HMGCS2
Antigen Species:	Human
Gene ID:	3158
Uniprot ID:	P54868
Synonyms:	HMGCS 2;HMG-CoA synthase;3-hydroxy-3-methylglutaryl coenzyme A synthase;EC 2.3.3.10; Hydroxymethylglutaryl-CoA synthase;mitochondrial
Biology Area:	Metabolism of lipids and lipoproteins,Cholesterol Metabolism,Cholesterol Metabolism,Lipid metabolism,Mitochondrial markers,Lipid metabolism,Mitochondrial

Research Background

HMGCS2 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.

A DRUG SCREENING EXPERT

Mutations in this gene are associated with HMG-CoA synthase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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