10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HMGCS2 Antibody

Rabbit mAb
Catalog # AP92555

Product Information

Application	WB, IHC
Primary Accession	P54868
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	HMG CoA synthase; HMGCS2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	56635

Additional Information

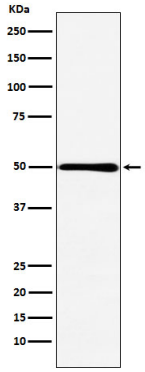
Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human HMGCS2
Description	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	HMGCS2
Function	Catalyzes the first irreversible step in ketogenesis, condensing acetyl-CoA to acetoacetyl-CoA to form HMG-CoA, which is converted by HMG-CoA reductase (HMGCR) into mevalonate.
Cellular Location	Mitochondrion {ECO:0000250|UniProtKB:P22791}.
Tissue Location	Expression in liver is 200-fold higher than in any other tissue. Low expression in colon, kidney, testis, and pancreas Very low expression in heart and skeletal muscle (PubMed:16940161, PubMed:21952825, PubMed:7893153). Not detected in brain (PubMed:21952825).

Images

Western blot analysis of HMGCS2 expression in Caco-2 cell lysate.



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