

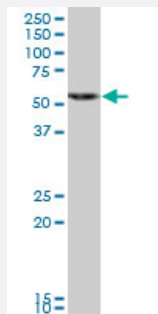
MaxPab®

HMGCS1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003157-B01P

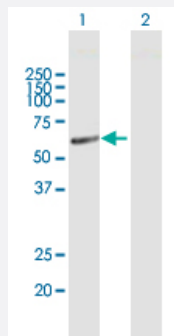
Size 50 ug

Applications



Western Blot (Tissue lysate)

HMGCS1 MaxPab polyclonal antibody. Western Blot analysis of HMGCS1 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of HMGCS1 expression in transfected 293T cell line ([H00003157-T01](#)) by HMGCS1 MaxPab polyclonal antibody.

Lane 1: HMGCS1 transfected lysate(57.2 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human HMGCS1 protein.

Immunogen

HMGCS1 (AAH00297, 1 a.a. ~ 520 a.a) full-length human protein.

Sequence

MPGSLPLNAEACWPKDVGVALEIYFPSQYVDQAELEKYDGVDAKTYIGLGQAKMGFCTDREDI
NSLCMTVVQNLMEERNLSYDCIGRLEVGTETIIDKSKSVKTNLMQLFEESGNTDIEGIDTTNACYGG
TAAVFNAVNWIESSSWDGRYALVVAGDIAYATGNARPTGGVGAVALIGPNAPLIFERGLRGTHM
QHAYDFYKPDMLSEYPVDGKLSIQCYLSALDRCSYVYCKKIHQWQKEGNDKDFTLNDFGFMIFH
SPYCKLVQKSLARMLLNDLNDQNRDKNSIYSGLEAFGDVKLEDTYFDRDVEKAFMKASSELFS
QKTKASLLVSNQNGNMYTSSVYGLASVLAQYSPQQLAGKRIGVFSYGSGLAATLYSLKVTQDAT
PGSALDKITASLCDLKSRLDSRTGVAPDVFAENMKLREDTHHLVNYPQGSIDSLFEGTWYLVVRVD
EKHRTYARRPTPNDDTLDEGVGLVHNSIATEHIPSPAKKVPRLPATAAEPEAAVISNGEH

Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — HMGCS1

Entrez GeneID	3157
GeneBank Accession#	BC000297.1
Protein Accession#	AAH00297
Gene Name	HMGCS1
Gene Alias	HMGCS, MGC90332
Gene Description	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)
Omim ID	142940
Gene Ontology	Hyperlink
Other Designations	3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) synthase hydroxymethylglutaryl-CoA synthase 1

Publication Reference

- [Interaction of galectin-7 with HMGCS1 in vitro may facilitate cholesterol deposition in cultured keratinocytes.](#)

Norihiro Fujimoto, Minoru Akiyama, Yasushi Satoh, Shingo Tajima.

The Journal of Investigative Dermatology 2022 Mar; 142(3 Pt A):539.

Application: IP, Human, HaCaT cells

Pathway

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

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)