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- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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SHMT1 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00006470-B01

規格 : [50 uL]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human SHMT1 protein.

Immunogen: SHMT1 (NP_004160.3, 1 a.a. ~ 483 a.a) full-length human protein.

Sequence:
 MTMPVNGAHKDADLWSSHDKMLAQPLKDS DVEVYNIKKESNRQRVGLE
 LIASENFASRAVLEALGSCLNNKYSEGYPGQRYGGTEFIDELETLCQKR
 ALQAYKLDPQCWGVNVQPYSGSPANFAVYTALVEPHGRIMGLDLPDGG
 HLTHGFMTDKKKISATSIFFESMPYKVNPD TGYINYDQLEENARLFHPKLI
 AGTSCYSRNLEYARLRKIADENGAYLMADMAHISGLVAAGVVPSPFEHCH
 VTTTTHTKTLRGCRAGMIFYRKGVKSVDPKTGKEILYNLESLINSAVFPGL
 QGGPHNHAIGVAVALKQAMTLEFKVYQH QVANCRALEALTELGYKIV
 TGGSDNHLILVDLRSGT DGGRAEKVLEACSIACNKNTCPGDRSALRPS
 GLRLGTPALTSRGLLEKDFQKVAHF IHRGIELTLQIQSDTGVRATLKEFK
 ERLAGDKYQAAVQALREEVESFASLFLPGLPDF

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: No additive

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

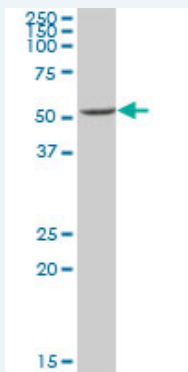
Note: For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

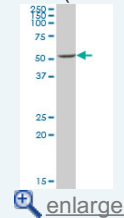
Western Blot (Tissue lysate)



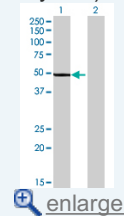
SHMT1 MaxPab polyclonal antibody. Western Blot analysis of SHMT1 expression in human liver.

Application Image

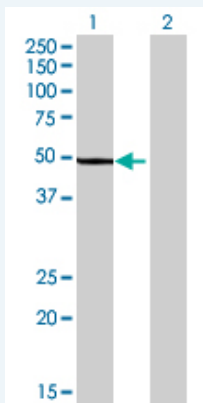
Western Blot (Tissue lysate)



Western Blot (Transfected lysate)



Western Blot (Transfected lysate)



Western Blot analysis of SHMT1 expression in transfected 293T cell line ([H00006470-T01](#)) by SHMT1 MaxPab polyclonal antibody.

Lane 1: SHMT1 transfected lysate(53.13 KDa).

Lane 2: Non-transfected lysate.

Gene Information

Entrez GeneID: [6470](#)

GeneBank Accession#: [NM_004169.3](#)

Protein Accession#: [NP_004160.3](#)

Gene Name: SHMT1

Gene Alias: CSHMT,MGC15229,MGC24556,SHMT

Gene Description: serine hydroxymethyltransferase 1 (soluble)

Omim ID: [182144](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes the cellular form of serine hydroxymethyltransferase, a pyridoxal phosphate-containing enzyme that catalyzes the reversible conversion of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. This reaction provides one carbon units for synthesis of methionine, thymidylate, and purines in the cytoplasm. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative splicing of this gene results in 2 transcript variants encoding 2 different isoforms. Additional transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]

Other Designations: 14 kDa protein,cytoplasmic serine hydroxymethyltransferase

Gene Pathway

[Cyanoamino acid metabolism](#) [Glycine, serine and threonine metabolism](#)
[Metabolic pathways](#) [Methane metabolism](#) [One carbon pool by folate](#)

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