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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SHMT1 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00006470-D01P

規格 : [100 ug]

[List All](#)

Specification

Product Description: Rabbit 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
 VTTTTHTKLRGCRAGMIFYRKGVKVSDPKTGKEILYNLESLINSAVFPGL
 QGGPHNHAIGVAVALKQAMTLEFKVYQHQQVANCRA LSEALTELG YKIV
 TGGSDNHLILVDLRSGT DGGRAEKVLEACSIACNKNTCPGDRSALRPS
 GLRLGTPALTSRGLLEKDFQKVAHF IHRGIELTLQIQSDTGVRATLKEFK
 ERLAGDKYQAAVQALREEVESFASLFPLPGLPDF

Host: Rabbit

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

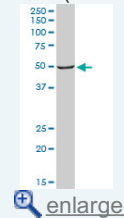
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

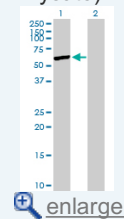
Datasheet: [Download](#)

Application Image

Western Blot (Tissue lysate)

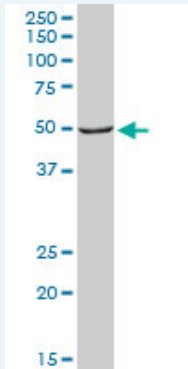


Western Blot (Transfected lysate)



Applications

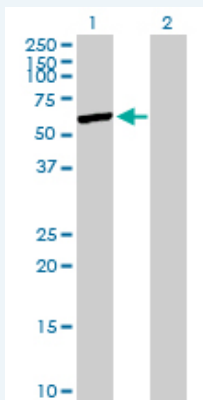
Western Blot (Tissue lysate)



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

[Protocol Download](#)

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(53.10 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

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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