

Rabbit SHMT2 Polyclonal Antibody | anti-SHMT2 antibody

SHMT2 Antibody

CATALOG # AAA29719	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

SHMT2; Polyclonal Antibody; SHMT2 Antibody; GLYA; SHMT; anti-SHMT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total SHMT2 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	494
Applicable Applications for anti-SHMT2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:100 Immunofluorescence: 1:50 - 1:200
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human SHMT2.
Target Name	SHMT2
Preparation and Storage	Store at -20°C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using SHMT2 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using SHMT2 at dilution of 1:100. Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse spleen using SHMT2 at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human liver cancer using SHMT2 at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat spleen using SHMT2 at dilution of 1:100 (40x lens).

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using SHMT2 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SHMT2 antibody	This gene encodes the mitochondrial form of a pyridoxal phosphate-dependent enzyme that catalyzes the reversible reaction of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. The encoded product is primarily responsible for glycine synthesis. The activity of the encoded protein has been suggested to be the primary source of intracellular glycine. The gene which encodes the cytosolic form of this enzyme is located on chromosome 17. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-SHMT2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	261862346
NCBI GeneID	6472
NCBI Accession #	NP_001159828.1
NCBI GenBank Nucleotide #	NM_001166356.1
UniProt Accession #	P34897 ; O00740 ; Q8N1A5 ; B7Z9F1 ; E7EQ19 ; E7EU43
Molecular Weight	SDS-PAGE MW: 55KD
NCBI Official Full Name	serine hydroxymethyltransferase, mitochondrial isoform 2
NCBI Official Synonym Full Names	serine hydroxymethyltransferase 2 (mitochondrial)
NCBI Official Symbol	SHMT2
NCBI Official Synonym Symbols	GLYA; SHMT; HEL-S-51e
NCBI Protein Information	serine hydroxymethyltransferase, mitochondrial
UniProt Protein Name	Serine hydroxymethyltransferase, mitochondrial
UniProt Gene Name	SHMT2
UniProt Synonym Gene Names	SHMT
UniProt Entry Name	GLYM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/shmt2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29719>