

Rabbit SHMT2 Polyclonal Antibody | anti-SHMT2 antibody

SHMT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169502	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

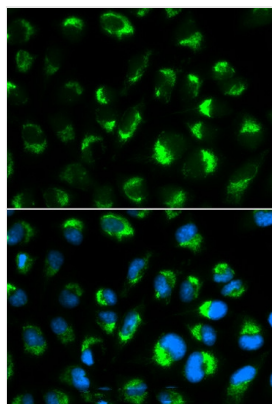
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

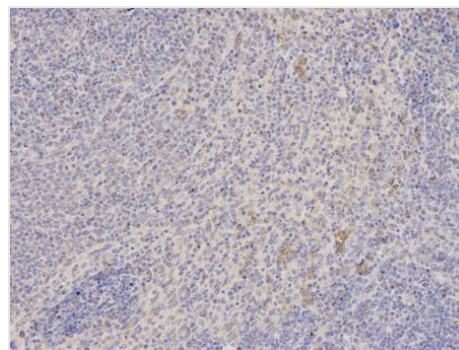
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	483
Applicable Applications for anti-SHMT2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human SHMT2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-25064 / sc-25062
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



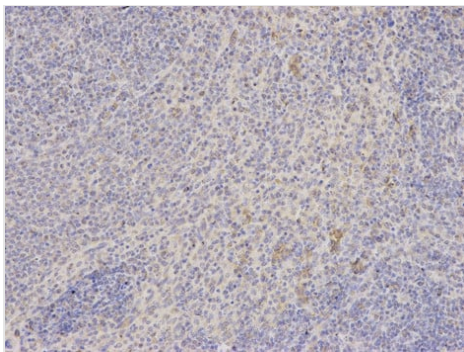
IF (Immunofluorescence)

Immunofluorescence analysis of HepG2 cell using SHMT2 antibody. Blue: DAPI for nuclear staining.



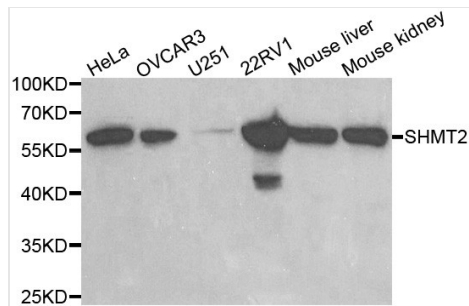
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using SHMT2 antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung using SHMT2 antibody at dilution of 1:200 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SHMT2 antibody.

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. [provided by RefSeq, Oct 2009]

NCBI AND UNIPROT INFORMATION

NCBI GI #	261862352
NCBI GeneID	6472
NCBI Accession #	NP_001159831.1
NCBI GenBank Nucleotide #	NM_001166359.1
Molecular Weight	53,455 Da
NCBI Official Full Name	serine hydroxymethyltransferase, mitochondrial isoform 3
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; GLY A+; epididymis secretory sperm binding protein Li 51e; glycine auxotroph A, human complement for hamster; glycine hydroxymethyltransferase; serine aldolase; serine hydroxymethylase; serine methylase; threonine aldolase
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/shmt2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/169502>