

Rabbit anti-Human SHMT2 Polyclonal Antibody | anti-SHMT2 antibody

SHMT2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA22331	Rabbit	Human	Immunohistochemistry, Immunofluorescence, Immunoprecipitation

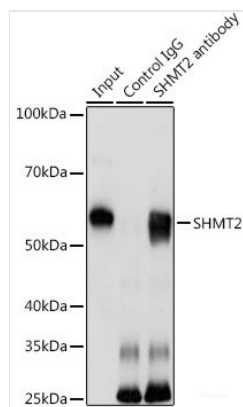
PRODUCT SYNONYMS

SHMT2; Polyclonal Antibody; SHMT2 Polyclonal Antibody; GLYA; HEL-S-51e; SHMT; serine hydroxymethyltransferase 2; anti-SHMT2 antibody

PRODUCT SPECIFICATIONS

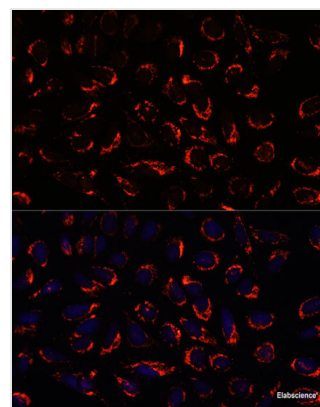
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-SHMT2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:50-1:200
Immunogen	Recombinant fusion protein of human SHMT2
Research Area	Cancer, Metabolism, Signal Transduction
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



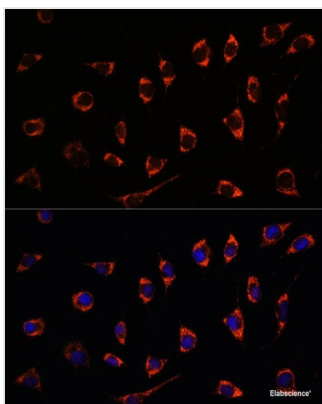
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells using SHMT2 Polyclonal Antibody. Western blot was performed from the immunoprecipitate using SHMT2 Polyclonal Antibody at a dilution of 1:1000.



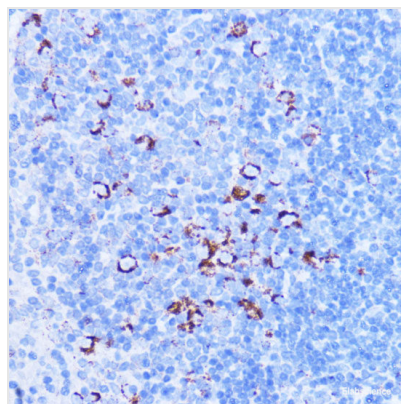
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using SHMT2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



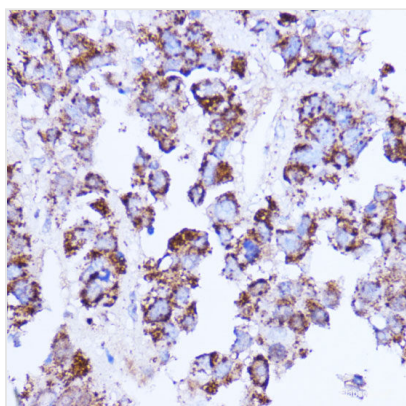
IF (Immunofluorescence)

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



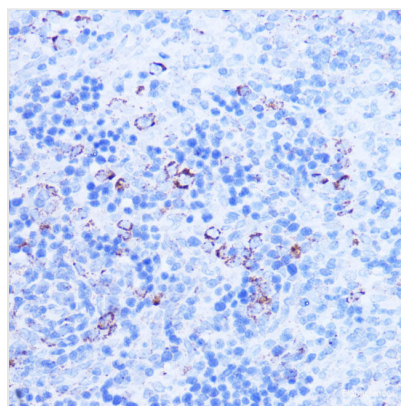
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

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	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	6226865
NCBI GeneID	6472
UniProt Accession #	P34897 ; O00740 ; Q8N1A5 ; B7Z9F1 ; E7EQ19 ; E7EU43
Molecular Weight	504
NCBI Official Full Name	Serine hydroxymethyltransferase, mitochondrial
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+; serine aldolase; serine methylase; threonine aldolase; serine hydroxymethylase; glycine hydroxymethyltransferase; epididymis secretory sperm binding protein Li 51e; glycine auxotroph A, human complem
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-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/22331>