

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

Rabbit anti-SHMT2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213224	Rabbit	Human	Immunoprecipitation, Western Blot

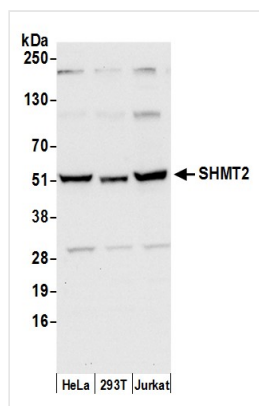
PRODUCT SYNONYMS

SHMT2; Polyclonal Antibody; Rabbit anti-SHMT2 Antibody; Affinity Purified; serine hydroxymethylase; SHMT; threonine aldolase; serine methylase; serine hydroxymethyltransferase; mitochondrial; serine hydroxymethyltransferase 2 (mitochondrial); HEL-S-51e; glycine hydroxymethyltransferase; glycine auxotroph A; human complement for hamster; GLYA; epididymis secretory sperm binding protein Li 51e; GLY A+; serine aldolase; Serine hydroxymethyltransferase; serine hydroxymethyltransferase 2; anti-SHMT2 antibody

PRODUCT SPECIFICATIONS

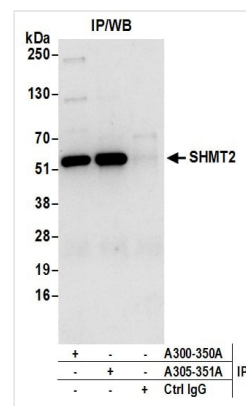
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SHMT2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human SHMT2 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SHMT2 antibody AAA213224 (lot AAA213224-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human SHMT2 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SHMT2 antibody AAA213224 (lot AAA213224-1) used for IP at 6 ug per reaction. SHMT2 was also immunoprecipitated by rabbit anti-SHMT2 antibody For blotting immunoprecipitated SHMT2, AAA213224 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-SHMT2 antibody	Serine hydroxymethyltransferase (SHMT2) is 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. SHMT2 is primarily responsible for glycine synthesis. SHMT2 activity has been suggested to be the primary source of intracellular glycine [taken from NCBI Entrez Gene (Gene ID: 6472)].
Product Categories/Family for anti-SHMT2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	6472
UniProt Accession #	P34897
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-immunoprecipitation-western-blot-elisa/213224>