

Rabbit anti-Human, Mouse SHMT1 Polyclonal Antibody | anti-SHMT1 antibody

Rabbit anti-SHMT1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212578	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

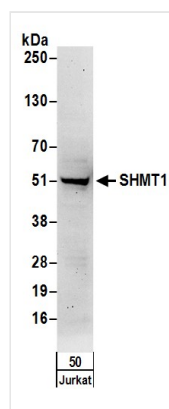
PRODUCT SYNONYMS

SHMT1; Polyclonal Antibody; Rabbit anti-SHMT1 Antibody; Affinity Purified; glycine hydroxymethyltransferase; serine methylase; serine hydroxymethyltransferase 1 (soluble); cytoplasmic serine hydroxymethyltransferase; CSHMT; SHMT; serine hydroxymethyltransferase; cytosolic; Serine hydroxymethyltransferase; serine hydroxymethyltransferase 1; anti-SHMT1 antibody

PRODUCT SPECIFICATIONS

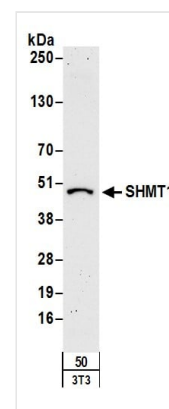
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SHMT1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 433 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



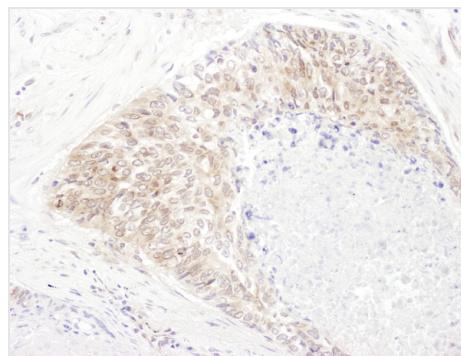
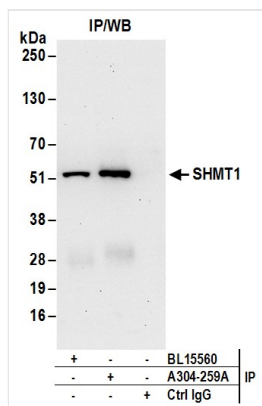
WB (Western Blot)

Detection of human SHMT1 by western blot. Samples: Whole cell lysate (50 ug) from Jurkat cells. Antibodies: Affinity purified rabbit anti-SHMT1 antibody AAA212578 (lot AAA212578-1) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



WB (Western Blot)

Detection of mouse SHMT1 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-SHMT1 antibody AAA212578 (lot AAA212578-1) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

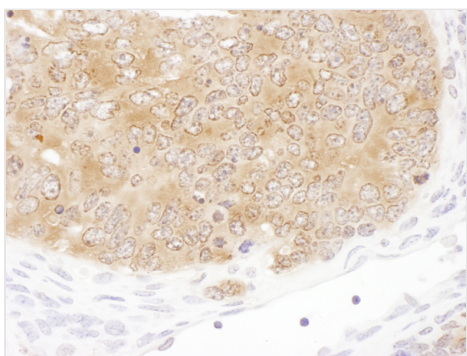


IHC (Immunohistochemistry)

Detection of human SHMT1 by immunohistochemistry. Sample: FFPE section of human lung cancer. Antibody: Affinity purified rabbit anti-SHMT1 (Cat. No. AAA212578 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

IP (Immunoprecipitation)

Detection of human SHMT1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells. Antibodies: Affinity purified rabbit anti-SHMT1 antibody AAA212578 (lot AAA212578-1) used for IP at 6 ug per reaction. SHMT1 was also immunoprecipitated by rabbit anti-SHMT1 antibody BL15560. For blotting immunoprecipitated SHMT1, AAA212578 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of mouse SHMT1 by immunohistochemistry. Sample: FFPE section of mouse teratoma. Antibody: Affinity purified rabbit anti-SHMT1 (Cat. No. AAA212578 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-SHMT1 antibody	Serine hydroxymethyltransferase 1 (SHMT1) is the cytosolic 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 [taken from NCBI Entrez Gene (Gene ID: 6470)].
Product Categories/Family for anti-SHMT1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	22547186
NCBI GeneID	6470
NCBI Accession #	NP_004160.3
NCBI GenBank Nucleotide #	NM_004169.4
UniProt Accession #	P34896 ; Q96HY0 ; Q9UMD1 ; Q9UMD2 ; B4DPM9 ; D3DXD0
Molecular Weight	37,672 Da
NCBI Official Full Name	serine hydroxymethyltransferase, cytosolic isoform 1

NCBI Official Synonym Full Names	serine hydroxymethyltransferase 1 (soluble)
NCBI Official Symbol	SHMT1
NCBI Official Synonym Symbols	SHMT; CSHMT
NCBI Protein Information	serine hydroxymethyltransferase, cytosolic; serine methylase; glycine hydroxymethyltransferase; cytoplasmic serine hydroxymethyltransferase
UniProt Protein Name	Serine hydroxymethyltransferase, cytosolic
UniProt Gene Name	SHMT1
UniProt Synonym Gene Names	SHMT
UniProt Entry Name	GLYC_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/shmt1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212578>