

Rabbit SHMT1 Polyclonal Antibody | anti-SHMT1 antibody

SHMT1 Antibody

CATALOG # AAA323297	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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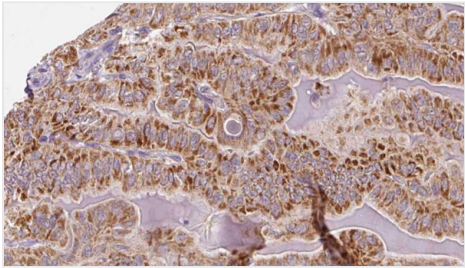
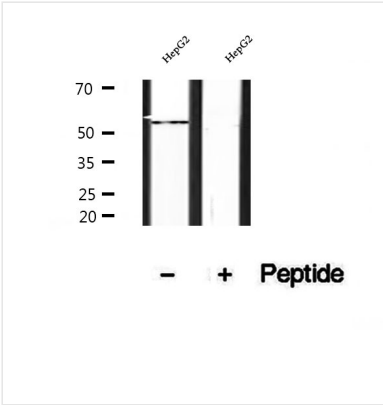
PRODUCT SYNONYMS

SHMT1; Polyclonal Antibody; SHMT1 Antibody; CSHMT; Cytoplasmic serine hydroxymethyltransferase; cytosolic; GLYC_HUMAN; Glycine hydroxymethyltransferase; Serine hydroxymethyltransferase 1 (soluble); Serine hydroxymethyltransferase; Serine methylase; SHMT; Shmt1; anti-SHMT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SHMT1 antibody detects endogenous levels of SHMT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	345
Applicable Applications for anti-SHMT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SHMT1.
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323297 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of HepG2 cells, using SHMT1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SHMT1 antibody	Function: Interconversion of serine and glycine (PubMed:8505317, PubMed:24698160). Subunit Structure: Homotetramer (PubMed:24698160, PubMed:25619277, PubMed:9753690). Identified in complex with ABRAXAS2 and the other subunits of the BRISC complex, at least composed of ABRAXAS2, BRCC3/BRCC36, BABAM2 and BABAM1/NBA1 (PubMed:24075985). Similarity: Belongs to the SHMT family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	528881075
NCBI GeneID	6470
NCBI Accession #	NP_001268715.1
NCBI GenBank Nucleotide #	NM_001281786.1
UniProt Accession #	P34896; Q96HY0; Q9UMD1; Q9UMD2; B4DPM9; D3DXD0
Molecular Weight	Observed: 53 kDa Predicted: 54 kDa
NCBI Official Full Name	serine hydroxymethyltransferase, cytosolic isoform 3
NCBI Official Synonym Full Names	serine hydroxymethyltransferase 1
NCBI Official Symbol	SHMT1
NCBI Official Synonym Symbols	SHMT; CSHMT
NCBI Protein Information	serine hydroxymethyltransferase, cytosolic
UniProt Protein Name	Serine hydroxymethyltransferase, cytosolic
UniProt Gene Name	SHMT1
UniProt Synonym Gene Names	SHMT

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.