

Rabbit anti-Human, Pig Serine Hydroxymethyltransferase 2 Polyclonal Antibody | anti-SHMT2 antibody

Polyclonal Antibody to Serine Hydroxymethyltransferase 2, Mitochondrial (SHMT2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20924	Rabbit	Human, Pig	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Serine Hydroxymethyltransferase 2; Polyclonal Antibody; Polyclonal Antibody to Serine Hydroxymethyltransferase 2; Mitochondrial (SHMT2); anti-SHMT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Pig
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against SHMT2. It has been selected for its ability to recognize SHMT2 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid
Concentration	0.39mg/ml (varies by lot)
Applicable Applications for anti-SHMT2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western blotting: 0.5-2ug/ml Immunocytochemistry in formalin fixed cells: 5-20ug/ml Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml Immunohistochemistry in paraffin section: 5-20ug/ml Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml Optimal working dilutions must be determined by end user.
Fragment	SHMT2 (Asn30~His504)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human, Pig
Conjugate	No Conjugate
Immunogen	Recombinant SHMT2 (Asn30~His504) expressed in E Coli.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



KO (Knockout Validation)
Knockout Validation: Lane 1: Wild-type 293T cell lysate; Lane 2: SHMT2 knockout 293T cell lysate; Predicted MW: 54kd Observed MW: 55kd Primary Ab: 1ug/ml Rabbit Anti-Human SHMT2 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.



WB (Western Blot)
Western Blot: Sample: Lane1: Human Lung Tissue; Lane2: Human 293T Cells; Lane3: Human Hela Cells; Lane4: Porcine Pancreas Tissue.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SHMT2 antibody	Knock-Out Validation Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261862346
NCBI GeneID	6472
NCBI Accession #	NP_001159828.1
NCBI GenBank Nucleotide #	NM_001166356.1
UniProt Accession #	P34897; O00740; Q8N1A5; B7Z9F1; E7EQ19; E7EU43
Molecular Weight	53,455 Da
NCBI Official Full Name	serine hydroxymethyltransferase, mitochondrial isoform 2
NCBI Official Synonym Full Names	serine hydroxymethyltransferase 2
NCBI Official Symbol	SHMT2
NCBI Official Synonym Symbols	GLYA; SHMT; HEL-S-51e
NCBI Protein Information	serine hydroxymethyltransferase, mitochondrial
UniProt Protein Name	Serine hydroxymethyltransferase, mitochondrial
UniProt Gene Name	SHMT2
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.