

Mouse anti-Human SHMT1 Monoclonal Antibody | anti-SHMT1 antibody

SHMT1 (Serine Hydroxymethyltransferase, Cytosolic, SHMT, Serine Methylase, Glycine Hydroxymethyltransferase, MGC15229, MGC24556) (Biotin)

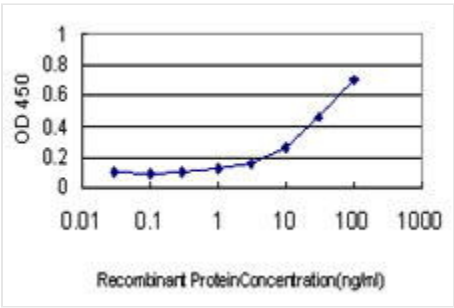
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24951	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

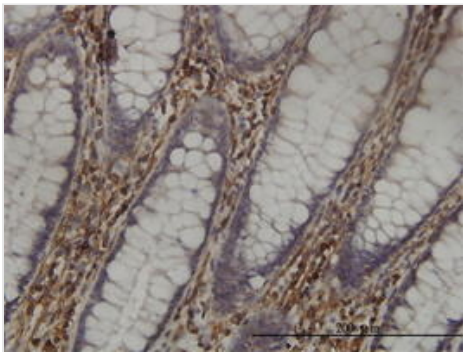
SHMT1; Monoclonal Antibody; SHMT1 (Serine Hydroxymethyltransferase; Cytosolic; SHMT; Serine Methylase; Glycine Hydroxymethyltransferase; MGC15229; MGC24556) (Biotin); anti-SHMT1 antibody

PRODUCT SPECIFICATIONS

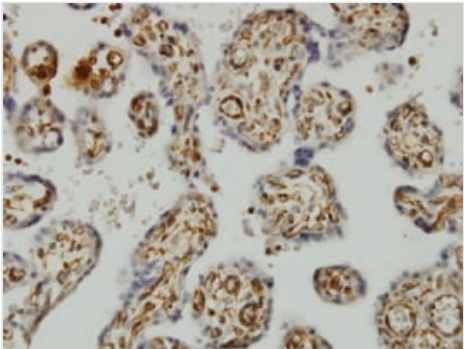
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4F9
Specificity	Recognizes human SHMT1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Applicable Applications for anti-SHMT1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 1ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa374-482 from human SHMT1 (NP_004160) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EKVLEACSIACNKNTCPGDRSALRPSGLRLGTPALTSRGLLEKDFQKVAHFIHRGIELTLQIQSDTGVRATLKEFKERLAGDKYQAAVQALREEVESFASLP
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



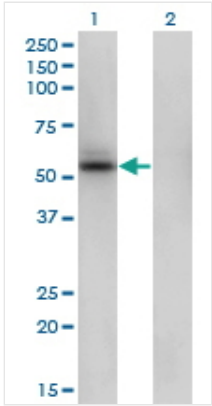
Application Data
Detection limit for recombinant GST tagged SHMT1 is ~1ng/ml as a capture antibody.



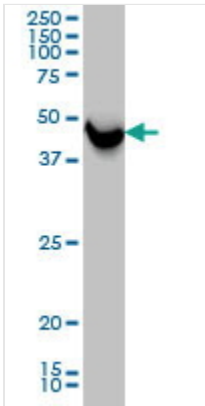
IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to SHMT1 on formalin-fixed paraffin-embedded human colon tissue. [antibody concentration 1ug/ml].



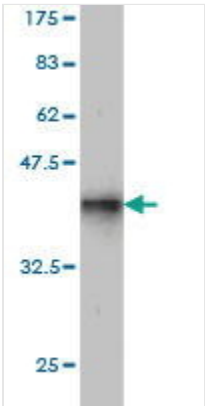
IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to SHMT1 on formalin-fixed paraffin-embedded human colon tissue. [antibody concentration 1ug/ml].



WB (Western Blot)
Western Blot analysis of SHMT1 expression in transfected 293T cell line by SHMT1 monoclonal antibody. Lane 1: SHMT1 transfected lysate (53.1kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
SHMT1 monoclonal antibody, Western Blot analysis of SHMT1 expression in HeLa.



WB (Western Blot)
Western Blot detection against Immunogen (37.73kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-SHMT1 antibody	Antibodies; Enzymes
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22547186
NCBI GeneID	6470

NCBI Accession #	NP_004160
NCBI GenBank Nucleotide #	NM_004169
UniProt Accession #	Q96HY0 ; Q9UMD1 ; Q9UMD2 ; B4DPM9 ; D3DXD0 ; P34896
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; cytoplasmic serine hydroxymethyltransferase; glycine hydroxymethyltransferase; serine methylase
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/shmt1-antibody-clone-4f9-immunohistochemistry-western-blot-elisa/24951>