

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

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25247	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

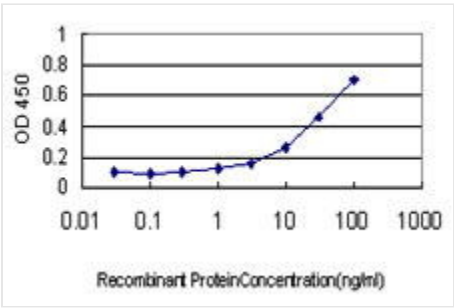
PRODUCT SYNONYMS

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

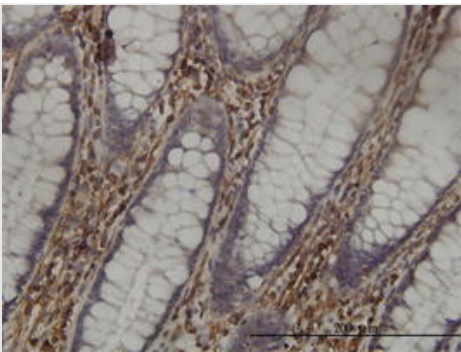
PRODUCT SPECIFICATIONS

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 Fluorescein isothiocyanate (FITC).
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	FITC
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. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to re-capping.

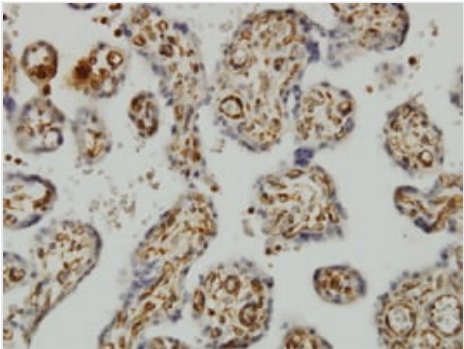
IMAGES



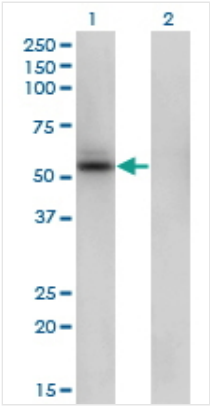
Application Data
Detection limit for recombinant GST tagged SHMT1 is ~1ng/ml as a capture antibody.



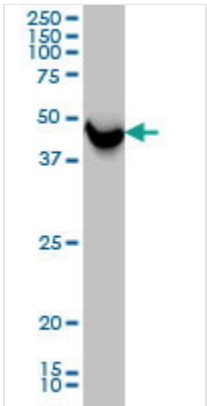
IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to SHMT1 on formalin-fixed paraffin-embedded human colon tissue. [antibody concentration 1ug/ml].



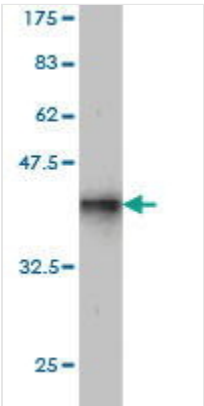
IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to SHMT1 on formalin-fixed paraffin-embedded human colon tissue. [antibody concentration 1ug/ml].



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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/shmt1-antibody-clone-4f9-immunohistochemistry-western-blot-elisa/25247>