SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-SHMT1/Biotin Conjugated antibody

Catalog Number: SL17468R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-SHMT1/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human SHMT1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Rabbit)
Background:	background: This gene encodes 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. This gene is located within the Smith-Magenis syndrome region on chromosome 17. A pseudogene of this gene is located on the short arm of chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013] **Function:** Interconversion of serine and glycine. **Subcellular Location:** Cytoplasm. **Similarity:** Belongs to the SHMT family. **Database links:** **Entrez Gene:** 6470 Human **Entrez Gene:** 20425 Mouse

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Omim: 182144 Human **SwissProt:** P34896 Human **SwissProt:** P50431 Mouse **Unigene:** 513987 Human **Unigene:** 636044 Human **Unigene:** 364956 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.