

SHMT1

Reactivity:Human Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:53kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human SHMT1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

SHMT; CSHMT;

Catalog #:A7727

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:6470

Isotype:IgG

Swiss Prot:P34896

Purity:Affinity purification

For research use only.

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.

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