

# SHMT1 Rabbit pAb

Catalog No.: A4113 **1 Publications**

## Basic Information

### Observed MW

50kDa

### Calculated MW

53kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Mouse, Rat

## 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.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

6470

### Swiss Prot

P34896

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 285-444 of human SHMT1 (NP\_683718.1).

### Synonyms

SHMT; CSHMT; SHMT1

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

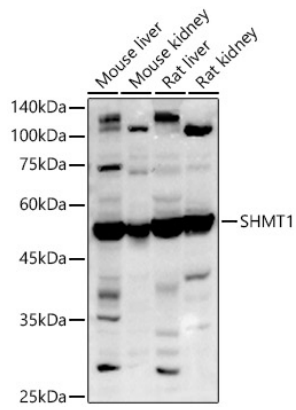
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

---



Western blot analysis of extracts of various cell lines, using SHMT1 antibody (A4113) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.