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Datasheet for ABIN7118898  
**anti-SHMT2 antibody**

### Overview

Quantity:	100 µg
Target:	SHMT2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA

### Product Details

Immunogen:	serine hydroxymethyltransferase 2 (mitochondrial)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	SHMT2
Alternative Name:	SHMT2 ( <a href="#">SHMT2 Products</a> )
Background:	Synonyms:GLYA, HEL-S-51e, SHMT Background:This gene encodes the mitochondrial form of a pyridoxal phosphate-dependent enzyme that catalyzes the reversible reaction of serine and tetrahydrofolate to glycine and 5, 10-methylene tetrahydrofolate. The encoded product is primarily responsible for glycine synthesis. The activity of the encoded protein has been suggested to be the primary source of intracellular glycine. The gene which encodes the

## Target Details

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cytosolic form of this enzyme is located on chromosome 17. Alternative splicing results in multiple transcript variants.

Molecular Weight: 55 kDa

Gene ID: 6472

UniProt: [P34897](#)

## Application Details

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Application Notes: WB: 1:500 - 1:2000, IHC: 1:50 - 1:200, IF: 1:50 - 1:200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3 ,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months