

## CAB4113

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### Product Information

<b>Product SKU:</b> CAB4113	<b>Gene ID:</b> 6470	<b>Size:</b> 20uL, 100uL
<b>Clone No:</b> -	<b>Host Species:</b> Rabbit	<b>Reactivity:</b> Mouse,Rat

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### Additional Information

<b>Observed MW:</b> 50kDa	<b>Conjugate:</b> Unconjugated
<b>Calculated MW:</b> 53kDa	<b>Isotype:</b> IgG

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### Immunogen Information

**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 Dilution:** WB,1:500 - 1:1000

**Synonyms:** SHMT; CSHMT; SHMT1

**Purification Method:** Affinity purification

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

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.