

SHMT1 Antibody (N-term)

Catalog_no :	AB1350
Applications :	WB
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:19-47
Specificity :	This SHMT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-47 amino acids from the N-terminal region of human SHMT1.
Dilution :	WB,1:1000;WB,1:1000;IHC-P,1:10~50;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Serine hydroxymethyltransferase, cytosolic, SHMT, Glycine hydroxymethyltransferase, Serine methylase, SHMT1
Isotype :	Rabbit Ig
Background :	This gene encodes the cellular 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. Alternative splicing of this gene results in 2 transcript variants encoding 2 different isoforms. Additional transcript variants have been described, but their biological validity has not been determined.
reference :	Porter, K.E., et al. Environ. Res. 110(6):580-587(2010) Summers, C.M., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(8):679-688(2010) Vijayakrishnan, J., et al. Haematologica 95(8):1405-1414(2010) Levine, A.J., et al. Cancer Epidemiol. Biom