SHMT1 Rabbit Polyclonal Antibody

Catalog No: #54335

Package Size: #54335-1 50ul #54335-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

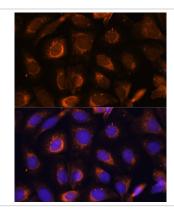
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Product Name	SHMT1 Rabbit Polyclonal Antibody	
Host Species	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Purification	Affinity purification	
Applications	WB,IF	
Species Reactivity	Human,Mouse,Rat	
Immunogen Description	Recombinant fusion protein of human SHMT1 (NP_683718.1).	
Other Names	SHMT1;CSHMT;SHMT	
Accession No.	Swiss Prot:P34896Gene ID:6470	
Uniprot	P34896	
GeneID	6470	
Calculated MW	37kDa/44kDa/49kDa/53kDa	
SDS-PAGE MW	Refer to figures	
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.	
Storage	Store at -20°C. Avoid freeze / thaw cycles.	

Application Details

WB = 1:500 - 1:2000IF = 1:50 - 1:200

Images



Immunofluorescence analysis of U-2 OS cells using SHMT1 antibody.

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 varian	s in multiple transcript variants.
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Note: This product is for in vitro research use only