

SHMT2 Polyclonal Antibody

Catalog Number: E-AB-93343



Note: Centrifuge before opening to ensure complete recovery of vial contents.

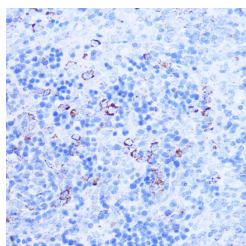
Description

| | |
|---------------------|--|
| Reactivity | Human |
| Immunogen | Recombinant fusion protein of human SHMT2 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.01% thiomersal, 50% glycerol, pH 7.3. |

Applications Recommended Dilution

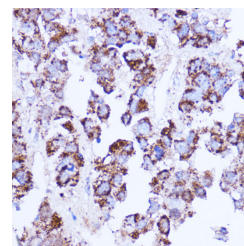
| | |
|------------|------------|
| IHC | 1:50-1:100 |
| IF | 1:50-1:200 |
| IP | 1:50-1:200 |

Data

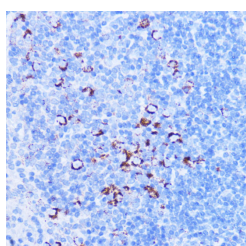


Immunohistochemistry of paraffin-embedded rat spleen using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

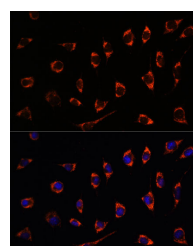
Observed Mw: Refer to figures
Calculated Mw: 53kDa/54kDa/55kDa



Immunohistochemistry of paraffin-embedded human liver cancer using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse spleen using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of L929 cells using SHMT2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

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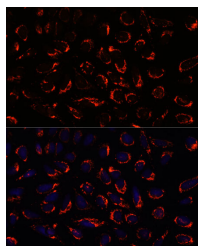
Tel: 1-832-243-6086

Email: techsupport@elabscience.com

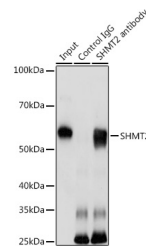
Fax: 1-832-243-6017

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Immunofluorescence analysis of U2OS cells using SHMT2 Polyclonal Antibody at dilution of 1:100.
Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug SHMT2 Polyclonal Antibody.
Western blot was performed from the immunoprecipitate used

Preparation & Storage

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

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

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