# SHMT2 Polyclonal Antibody

**catalog number: E-AB-93343**

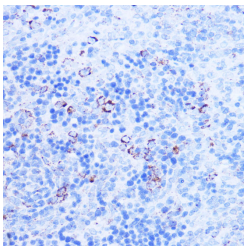
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

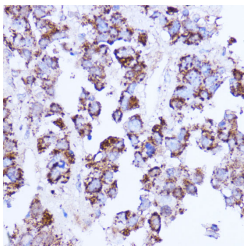
| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant fusion protein of human SHMT2 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Affinity purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

| Applications | Recommended Dilution |
|---|---|
| **IHC** | 1:50-1:100 |
| **IF** | 1:50-1:200 |
| **IP** | 1:50-1:200 |

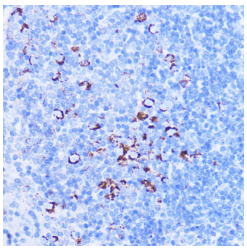
## Data



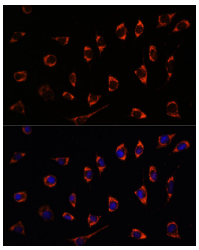
Immunohistochemistry of paraffin-embedded rat spleen using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



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.



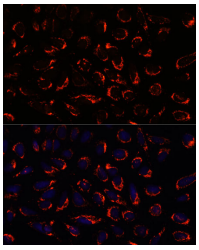
Immunohistochemistry of paraffin-embedded mouse spleen using SHMT2 Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



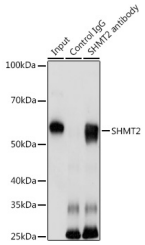
Immunofluorescence analysis of L929 cells using SHMT2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Toll-free: 1-888-852-8623
Web:www.elabscience.com
Tel: 1-832-243-6086
Email:techsupport@elabscience.com
Fax: 1-832-243-6017



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 using SHMT2 Polyclonal Antibody at a dilution of 1:1000.

**Observed-MW:Refer to figures**

**Calculated-MW:53 kDa/54 kDa/55 kDa**

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## 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.



Toll-free: 1-888-852-8623
Web:www.elabscience.com
Tel: 1-832-243-6086
Email:techsupport@elabscience.com
Fax: 1-832-243-6017