

Product datasheet for **TA370227**

SHMT2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Jurkat, Raji, 293T and HEPG2 cell lysates IHC: 30-150 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human SHMT2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	56 kDa
Gene Name:	serine hydroxymethyltransferase 2
Database Link:	Entrez Gene 6472 Human P34897

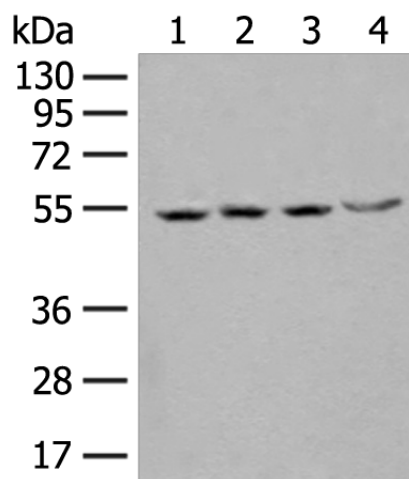
Background: This gene encodes the mitochondrial form of a pyridoxal phosphate-dependent enzyme that catalyzes the reversible reaction of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. The encoded product is primarily responsible for glycine synthesis. The activity of the 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.



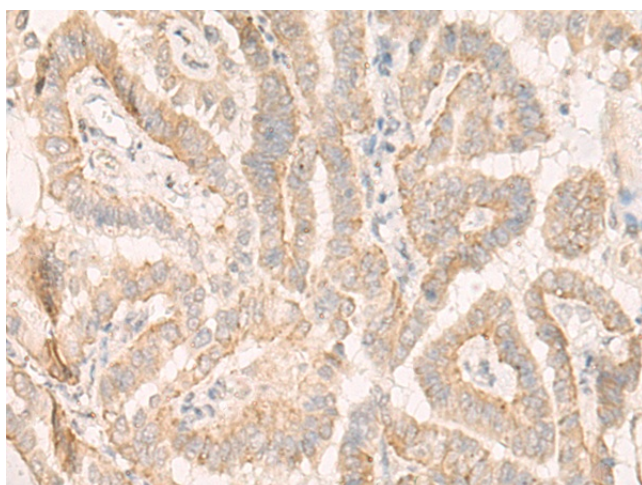
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Synonyms: GLYA; SHMT

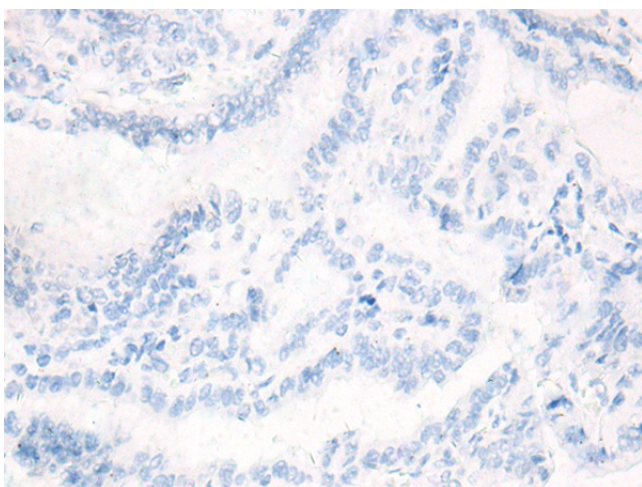
Product images:



Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane 1-4: Jurkat
Raji
293T and HEPG2 cell lysates
Primary antibody: TA370227 (SHMT2 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 3 seconds



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA370227 (SHMT2 Antibody) at dilution 1/20 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA370227 (SHMT2 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)