

SHMT2 Monoclonal antibody

Catalog Number: 67980-1-Ig

Basic Information

Catalog Number:

67980-1-Ig

Size:

500 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1584

GenBank Accession Number:

BC011911

GeneID (NCBI):

6472

UNIPROT ID:

P34897

Full Name:

serine hydroxymethyltransferase 2
(mitochondrial)

Calculated MW:

55 kDa

Observed MW:

52-55 kDa

Purification Method:

Protein G purification

CloneNo.:

3A2H9

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:650-1:2600

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : NCCIT cells, HSC-T6 cells, LNCaP cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

IHC : human colon cancer tissue, human breast cancer tissue

Background Information

Storage

Storage:

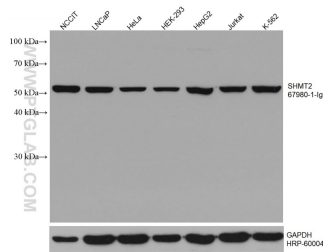
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

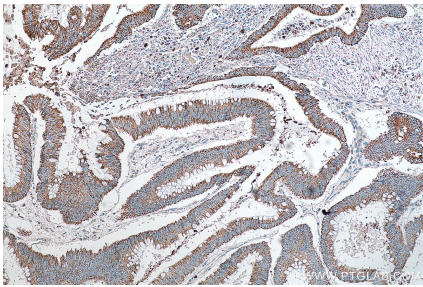
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67980-1-Ig (SHMT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67980-1-Ig (SHMT2 antibody) at dilution of 1:1300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).