

For Research Use Only

# SHMT2 Monoclonal antibody

Catalog Number: 67980-1-Ig



## Basic Information

<b>Catalog Number:</b> 67980-1-Ig	<b>GenBank Accession Number:</b> BC011911	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6472	<b>CloneNo.:</b> 3A2H9
<b>Source:</b> Mouse	<b>Full Name:</b> serine hydroxymethyltransferase 2 (mitochondrial)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:650-1:2600
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 55 kDa	
<b>Immunogen Catalog Number:</b> AG1584	<b>Observed MW:</b> 52-55 kDa	

## 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

**\*\*\* 20ul sizes contain 0.1% BSA**

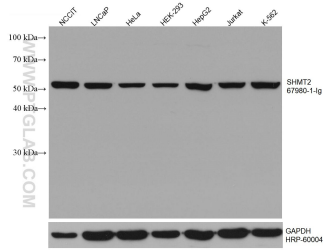
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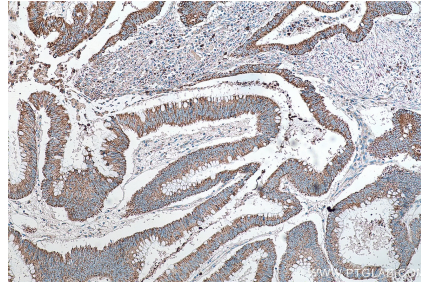
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## Selected Validation Data



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).