

For Research Use Only

SHMT2 Polyclonal antibody

Catalog Number: 11099-1-AP

Featured Product

28 Publications



Basic Information

Catalog Number:

11099-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:250-1:1000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: HEK-293 cells, mouse kidney tissue, HeLa cells, HepG2 cells, Jurkat cells, MCF-7 cells

IHC: mouse brain tissue, human cervical cancer tissue, human heart tissue

IF/ICC: HeLa cells,

Notable Publications

Author	Pubmed ID	Journal	Application
Li Cui	34533844	J Pineal Res	WB
Jisheng Li	34688993	Stem Cell Res	WB, IF
Robert B Hamanaka	29019702	Am J Respir Cell Mol Biol	IHC, WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

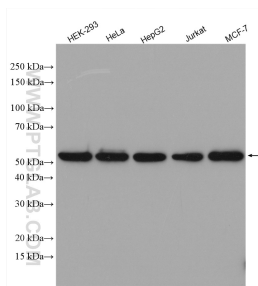
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

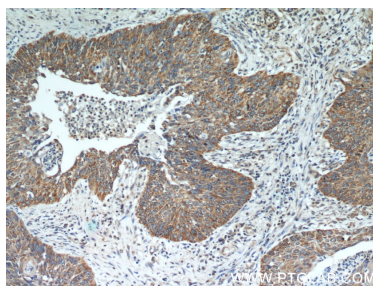
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

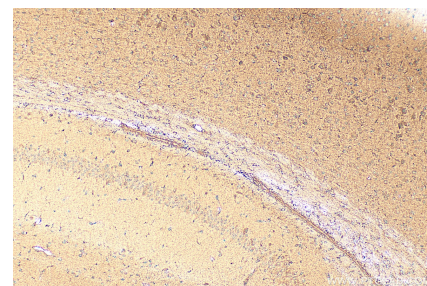
Selected Validation Data



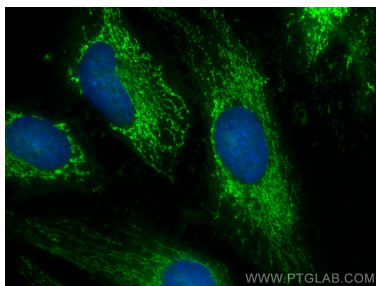
Various lysates were subjected to SDS PAGE followed by western blot with 11099-1-AP (SHMT2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



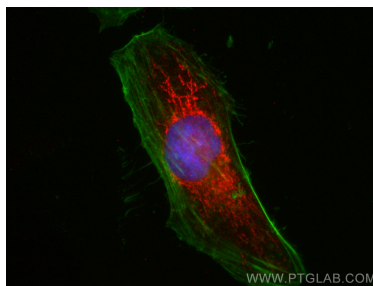
Immunohistochemical analysis of paraffin-embedded human cervical cancer using 11099-1-AP (SHMT2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11099-1-AP (SHMT2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SHMT2 antibody (11099-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SHMT2 antibody (11099-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-phalloidin (red).