

For Research Use Only

HNMT Polyclonal antibody

Catalog Number: 11874-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

11874-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 447 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2462

GenBank Accession Number:

BC020677

GeneID (NCBI):

3176

UNIPROT ID:

P50135

Full Name:

histamine N-methyltransferase

Calculated MW:

292 aa, 33 kDa

Observed MW:

30-33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : HT-29 cells, human liver tissue, mouse liver tissue, HepG2 cells

IHC : human liver cancer tissue, human lymphoma tissue

IF/ICC : HepG2 cells,

Background Information

HNMT, a histamine-metabolizing enzyme, inactivates histamine by N-methylation. It plays an important role in degrading histamine and in regulating the airway response to histamine. HNMT in human astrocytes play a role in the regulation of extraneuronal histamine concentration and the activities of histaminergic neurons.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiayi Chen	36265493	Cell Stem Cell	WB
Yoshikawa Takeo T	23505051	Glia	IHC

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

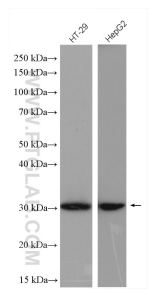
For technical support and original validation data for this product please contact:

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

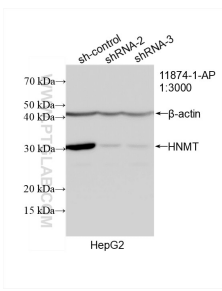
E: proteintech@ptglab.com
W: ptglab.com

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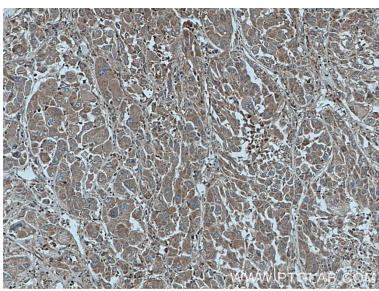
Selected Validation Data



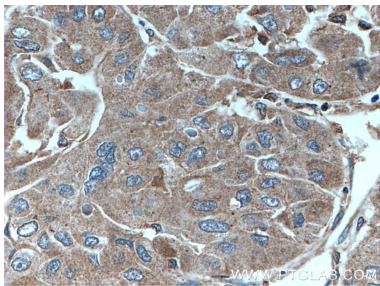
Various lysates were subjected to SDS PAGE followed by western blot with 11874-1-AP (HNMT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



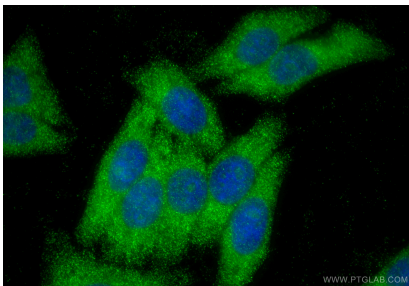
WB result of HNMT antibody (11874-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HNMT transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11874-1-AP (HNMT antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11874-1-AP (HNMT antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using HNMT antibody (11874-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).