

For Research Use Only

HNMT Polyclonal antibody

Catalog Number: 11874-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

11874-1-AP

Size:

500 µg/ml

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 1:10-1:100

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: MCF-7 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

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

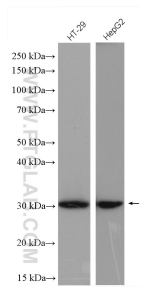
T: 4006900926

E: Proteintech-CN@ptglab.com

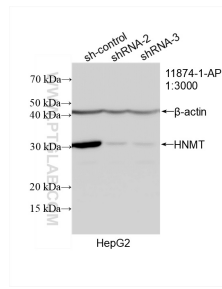
W: ptgcn.com

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

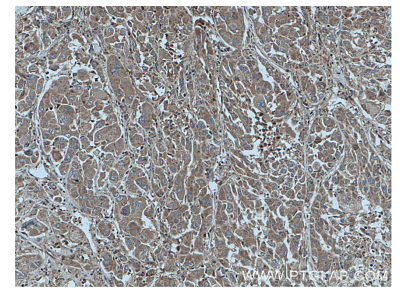
Selected Validation Data



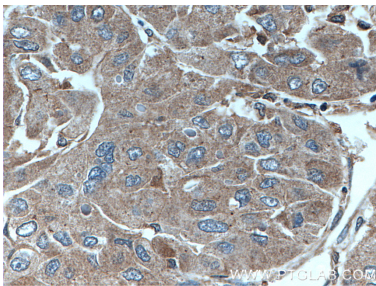
Various lysates were subjected to SDS PAGE followed by western blot with 11874-1-AP (HNMT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



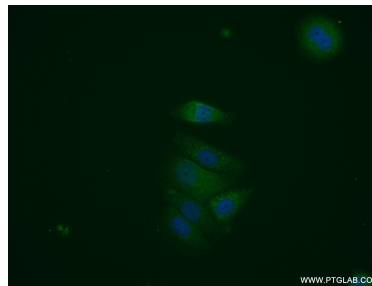
WB result of HNMT antibody (11874-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HNMT transfected HepG2 cells.



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 MCF-7 cells using 11874-1-AP (HNMT antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).