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HNMT Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1442A

Specification

HNMT Antibody (N-term) - Product Information

Application	**IF, WB, IHC-P,E**
Primary Accession	P50135
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33295**
Antigen Region	**29-58**

HNMT Antibody (N-term) - Additional Information

Gene ID 3176

Other Names
Histamine N-methyltransferase, HMT, HNMT

Target/Specificity
This HNMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-58 amino acids from the N-terminal region of human HNMT.

Dilution
IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HNMT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HNMT Antibody (N-term) - Protein Information

Name HNMT

Function Inactivates histamine by N-methylation. Plays an important role in degrading histamine

and in regulating the airway response to histamine.

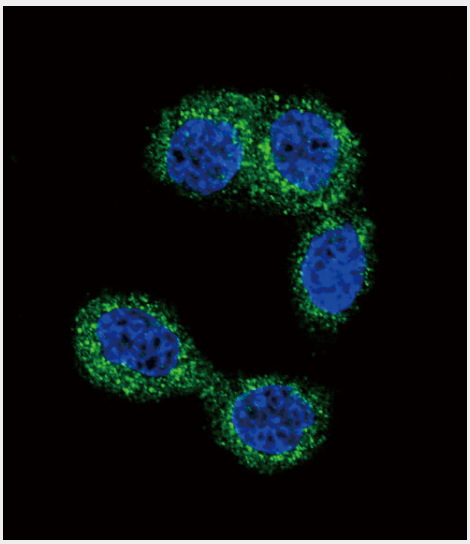
Cellular Location
Cytoplasm.

HNMT Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

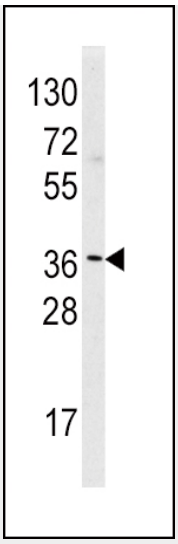
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HNMT Antibody (N-term) - Images

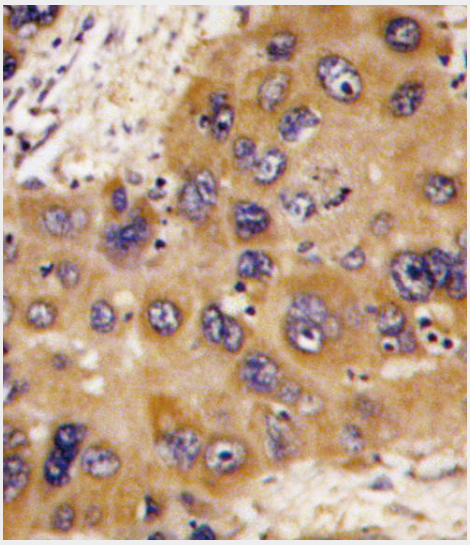


Confocal immunofluorescent analysis of HNMT Antibody (N-term)(Cat#AP1442a) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).

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Western blot analysis of HNMT Antibody (N-term) (Cat# AP1442a) in Hela cell line lysates (35ug/lane). HNMT(arrow) was detected using the purified polyclonal antibody.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with HNMT antibody (N-term) (Cat.#AP1442a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

HNMT Antibody (N-term) - Background

In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. HNMT is the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. In the mammalian brain, the neurotransmitter activity of histamine is controlled by N(tau)-methylation as diamine oxidase is not found in the central nervous system. A common genetic polymorphism affects the activity levels of this gene product in red blood cells.

HNMT Antibody (N-term) - References

Aksoy, S., et al., Biochem. Biophys. Res. Commun. 219(2):548-554 (1996).