

Datasheet for ABIN5534383  
**anti-HNMT antibody (N-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	400 µL
Target:	HNMT
Binding Specificity:	AA 29-58, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNMT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	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.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

## Target Details

Target:	HNMT
Alternative Name:	HNMT ( <a href="#">HNMT Products</a> )
Background:	In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via

## Target Details

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.

Molecular Weight: 33 kDa

Gene ID: 3176

UniProt: [P50135](#)

## Application Details

Application Notes: For IF starting dilution is: 1:10~50

For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 2 mg/mL

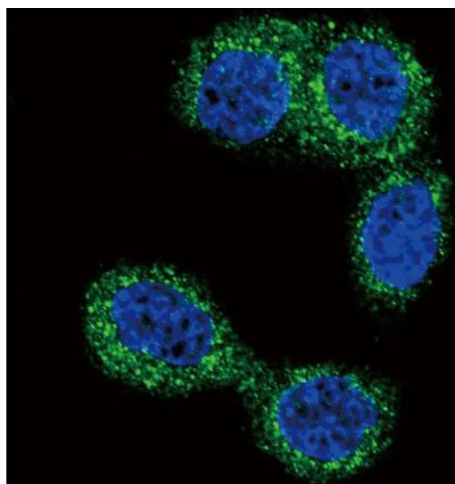
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

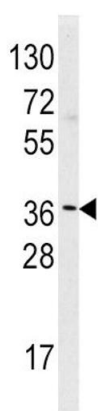
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



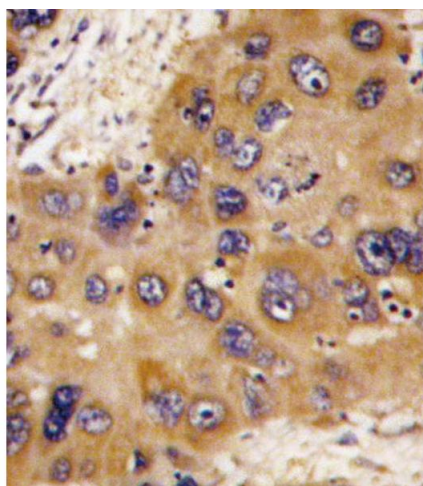
#### Immunofluorescence

**Image 1.** Confocal immunofluorescent analysis of HNMT Antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclei (blue).



#### Western Blotting

**Image 2.** Western blot analysis of HNMT Antibody in HeLa cell line lysates (35 µg/lane). HNMT was detected using the purified polyclonal antibody.



#### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with HNMT antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.