

HNMT

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW: 33kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human HNMT

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

1 mg/ml

Synonym:

HMT; HNMT-S1; HNMT-S2;

Catalog #: A2520

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3176

Isotype: IgG

Swiss Prot: P50135

Purity: Affinity purification

For research use only.

Background:

In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. This gene encodes 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. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene.

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