

Recombinant HNMT Monoclonal Antibody

catalog number: **AN300161P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

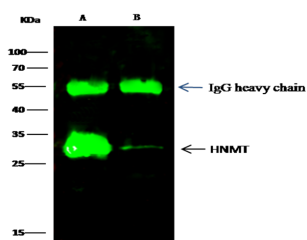
Reactivity	Human
Immunogen	Recombinant Human HNMT protein
Host	Rabbit
Isotype	IgG
Clone	2D5
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB	1:500-1:2000
IP	0.5-2 µL/mg of lysate

Data



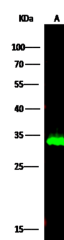
Immunoprecipitation analysis using 2 µL anti-HNMT Monoclonal Antibody and 15 µl of 50 % Protein G agarose.

Western blot was performed from the immunoprecipitate using HNMT Monoclonal Antibody at a dilution of 1:200.

Lane A: 0.5 mg HepG2 Whole Cell Lysate, Lane B: 0.5 mg HeLa Whole Cell Lysate

Observed-MW: 33 kDa

Calculated-MW: 33 kDa



Western Blot with HNMT Monoclonal Antibody at dilution of 1:500. Lane A: HepG2 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 33 kDa

Calculated-MW: 33 kDa

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

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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