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HNMT Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP1442b

Specification

HNMT Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P50135

HNMT Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3176

Other Names
Histamine N-methyltransferase, HMT, HNMT

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1442b was selected from the C-term region of human HNMT. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HNMT Antibody (C-term) Blocking Peptide - 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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

HNMT Antibody (C-term) Blocking Peptide - Images

HNMT Antibody (C-term) Blocking Peptide - 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 mammalianbrain, 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 (C-term) Blocking Peptide - References

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