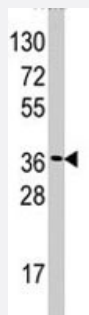


HNMT polyclonal antibody

Catalog # PAB1874

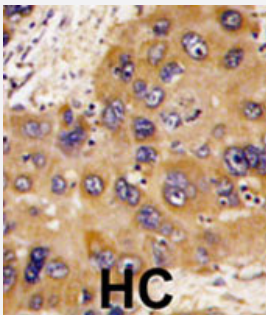
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HNMT polyclonal antibody (Cat # PAB1874) in HeLa cell line lysates (35 ug/lane). HNMT (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with HNMT polyclonal antibody (Cat # PAB1874), 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HNMT.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human HNMT.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — HNMT

Entrez GeneID	3176
Protein Accession#	NP_008826;P50135
Gene Name	HNMT
Gene Alias	HMT, HNMT-S1, HNMT-S2
Gene Description	histamine N-methyltransferase
Omim ID	600807 605238
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Human histamine N-methyltransferase gene: structural characterization and chromosomal location.](#)

Aksoy S, Raftogianis R, Weinshilboum R.

Biochemical and Biophysical Research Communications 1996 Feb; 219(2):548.

Application: WB-Ce, WB-Tr, Human, Mammalian cells

Pathway

- [Histidine metabolism](#)

Disease

- [Alcoholism](#)
- [Angioneurotic Edema](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Colitis](#)
- [Dermatitis](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)

- [Hearing Loss](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Migraine Disorders](#)
- [Multiple Sclerosis](#)
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- [Urticaria](#)
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