

Datasheet for ABIN2788140
anti-HNMT antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	HNMT
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Cow, Dog, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNMT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HNMT
Sequence:	PGIIGRIGDT KSEIKILSIG GGAGEIDLQI LSKVQAQYPG VCINNEVEP
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 77%, Horse: 92%, Human: 100%, Mouse: 77%, Pig: 92%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HNMT. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HNMT
Alternative Name:	HNMT (HNMT Products)

Target Details

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. Alias Symbols: HMT, HNMT-S1, HNMT-S2 Protein Interaction Partner: CAMK2D, DSP, TINF2, POT1, TERF1, Protein Size: 292
-------------	---

Molecular Weight:	33 kDa
-------------------	--------

Gene ID:	3176
----------	------

NCBI Accession:	NM_006895 , NP_008826
-----------------	---

UniProt:	P50135
----------	------------------------

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
--------------------	--

Comment:	Antigen size: 292 AA
----------	----------------------

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Concentration:	Lot specific
----------------	--------------

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
---------	---

Preservative:	Sodium azide
---------------	--------------

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

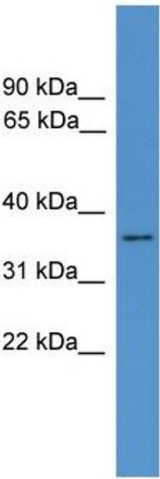
Handling Advice:	Avoid repeated freeze-thaw cycles.
------------------	------------------------------------

Storage:	-20 °C
----------	--------

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-HNMT Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human heart