ARG56272
anti-HNMT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HNMT
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HNMT
Species	Human
Immunogen	Recombinant protein of Human HNMT
Conjugation	Un-conjugated
Alternate Names	HMT; Histamine N-methyltransferase; EC 2.1.1.8; HNMT-S1; HNMT-S2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IP	Assay-dependent
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HT-29

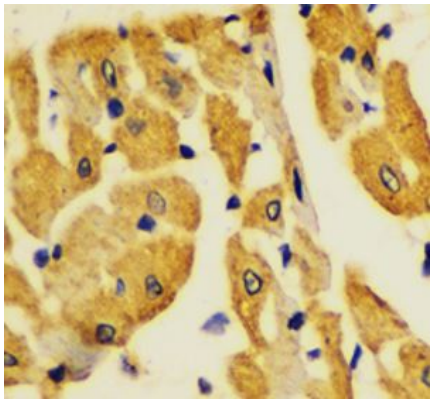
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

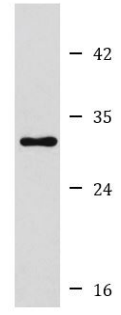
Database links	GeneID: 140483 Mouse GeneID: 3176 Human Swiss-port # P50135 Human Swiss-port # Q91VF2 Mouse
Gene Symbol	HNMT
Gene Full Name	histamine N-methyltransferase
Background	In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative 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. [provided by RefSeq, Jul 2008]
Function	Inactivates histamine by N-methylation. Plays an important role in degrading histamine and in regulating the airway response to histamine. [UniProt]
Calculated Mw	33 kDa

Images



ARG56272 anti-HNMT antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse heart stained with ARG56272 anti-HNMT antibody at 1:100 dilution.



ARG56272 anti-HNMT antibody WB image

Western blot: HT-29 cell lysate stained with ARG56272 anti-HNMT antibody.