

## Rabbit anti-Human, Mouse HNMT Polyclonal Antibody | anti-HNMT antibody

HNMT Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                            |
|-----------|--------|--------------|---------------------------------------------------------|
| AAA281082 | Rabbit | Human, Mouse | Immunoprecipitation, Immunohistochemistry, Western Blot |

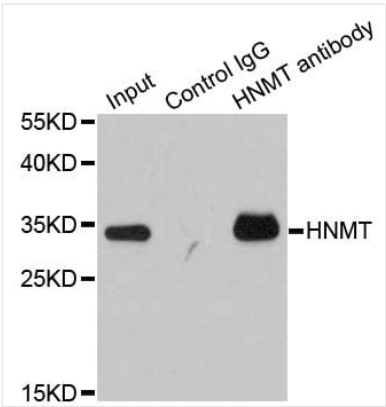
### PRODUCT SYNONYMS

HNMT; Polyclonal Antibody; HNMT Polyclonal Antibody; HMT; HNMT-S1; HNMT-S2; MRT51; anti-HNMT antibody

### PRODUCT SPECIFICATIONS

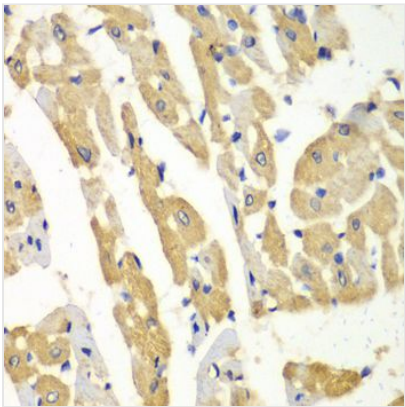
|                                                |                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                         |
| Reactivity                                     | Human, Mouse                                                                                                                                                                                                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                     |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                                            |
| Purity/Purification                            | Affinity Purification                                                                                                                                                                                                                                                                          |
| Sequence                                       | MASSMRSIFS DHGKYVESFR RFLNHSTEHQ CMQEFMDKKL PGIIGRIGDT KSEIKILSIG GGAGEIDLQI<br>LSKVQAQYPG VCINNEVVEP SAEQIAKYKE LVAKTSNLEN VKFAWHKETS SEYQSRMLEK KELQKWDFIH<br>MIQMLYYVKD IPATLKFFHS LLGTNAKMLI IVVSGSSGWD KLWKYGSRF PQDDLQYIT SDDLQMLDN<br>LGLKYECYDL LSTMDISDCF IDGNENGDLL WDFLTETCNF NATAP |
| Sequence Length                                | 51                                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-HNMT antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                        |
| Immunogen                                      | Recombinant protein of human HNMT                                                                                                                                                                                                                                                              |
| Immunogen Species                              | Human                                                                                                                                                                                                                                                                                          |
| Storage Buffer                                 | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                              |
| Cellular Location                              | Cytoplasm                                                                                                                                                                                                                                                                                      |
| Positive Samples                               | HT-29, HepG2, HeLa, Mouse liver, Mouse kidney, Mouse brain                                                                                                                                                                                                                                     |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                             |

IMAGES



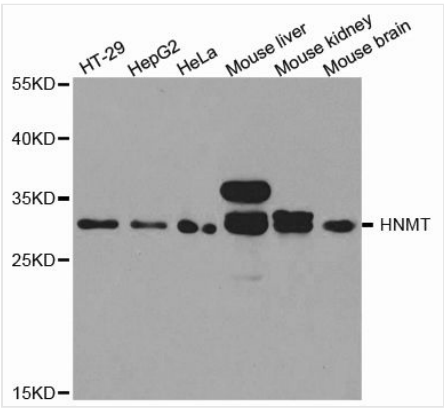
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HT-29 cells using 1ug HNMT antibody. Western blot was performed from the immunoprecipitate using HNMT antibody at a dilution of 1:1000.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse heart using HNMT antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HNMT antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HNMT antibody | 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. |
| Product Categories/Family for anti-HNMT antibody   | <a href="#">Polyclonal Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| NCBI GI #                 | 66932963                                               |
| NCBI GeneID               | 3176                                                   |
| NCBI Accession #          | NP_001019245.1                                         |
| NCBI GenBank Nucleotide # | NM_001024074.2                                         |
| UniProt Accession #       | P50135; Q546Z6; Q7Z7I2; Q8IU56; Q8WW98; Q9BRW6; B2R9J3 |

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| Molecular Weight                 | Calculated: 6kDa; 14kDa; 33kDa<br>Observed: 27kDa |
| NCBI Official Full Name          | histamine N-methyltransferase isoform 2           |
| NCBI Official Synonym Full Names | histamine N-methyltransferase                     |
| NCBI Official Symbol             | HNMT                                              |
| NCBI Official Synonym Symbols    | HMT; MRT51; HNMT-S1; HNMT-S2                      |
| NCBI Protein Information         | histamine N-methyltransferase                     |
| UniProt Protein Name             | Histamine N-methyltransferase                     |
| UniProt Gene Name                | <b>HNMT</b>                                       |
| UniProt Synonym Gene Names       | HMT                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hnmt-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/281082>