

## Datasheet

### HNMT monoclonal antibody (M04A), clone 2G12

**Catalog Number:** H00003176-M04A

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant HNMT.

**Clone Name:** 2G12

**Immunogen:** HNMT (NP\_008826, 184 a.a. ~ 292 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

KKYGSRFPPQDDLCQYITSDDLTQMLDNLGLKYECYDL  
LSTMDISDCFIDGNENGDLLWDFLTETCNFNATAPPDL  
RAELGKDLQEPEFSAKKEGKVLFNNTLSFIVIEA

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG Mix Kappa

**Storage Buffer:** In ascites fluid

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3176

**Gene Symbol:** HNMT

**Gene Alias:** HMT, HNMT-S1, HNMT-S2

**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]