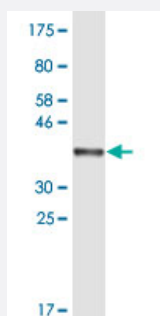


HNMT monoclonal antibody (M04A), clone 2G12

Catalog # H00003176-M04A

Size 200 uL

Applications



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HNMT.
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	KKYGSRFPQDDLCQYITSDDLTQMLDNLGLKYECYDLLSTMDISDCFIDGNENGDLLWDFLTETCN FNATAPPDLRAELGKDLQEPEFSAKKEGKVLFNNTLSFMIEA
Host	Mouse
Reactivity	Human
Isotype	IgG Mix Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HNMT

Entrez GeneID [3176](#)

GeneBank Accession# [NM_006895](#)

Protein Accession# [NP_008826](#)

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 -

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](#)
- [Parkinson disease](#)
- [Personality Tests](#)
- [Psychiatric Status Rating Scales](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)

- [Stomach Ulcer](#)
- [Tobacco Use Disorder](#)
- [Urticaria](#)
- [Weight Gain](#)