

HNMT Antibody

Catalog No: #32688

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	HNMT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total HNMT protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HNMT.
Target Name	HNMT
Other Names	HMT; HNMT-S1; HNMT-S2;
Accession No.	Swiss-Prot:P50135NCBI Gene ID:3176
SDS-PAGE MW	33KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

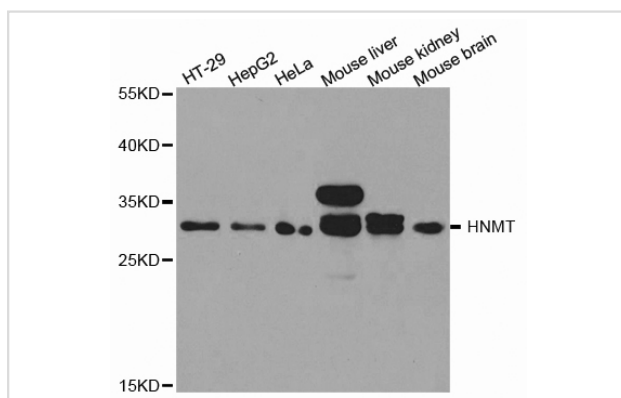
Application Details

Western blotting: 1:500 - 1:2000

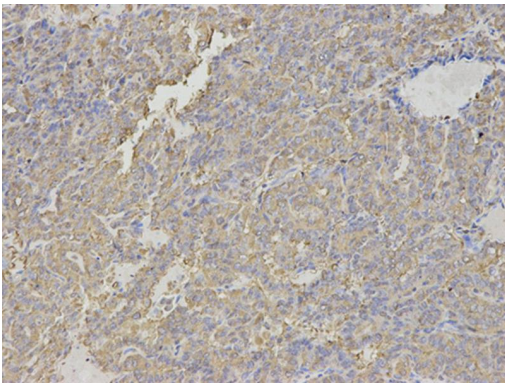
Immunohistochemistry: 1:50 - 1:200

Immunofluorescence: 1:50 - 1:200

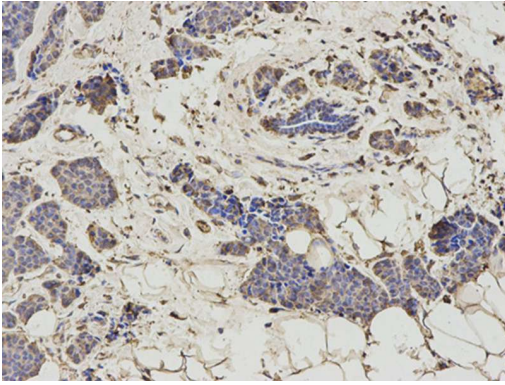
Images



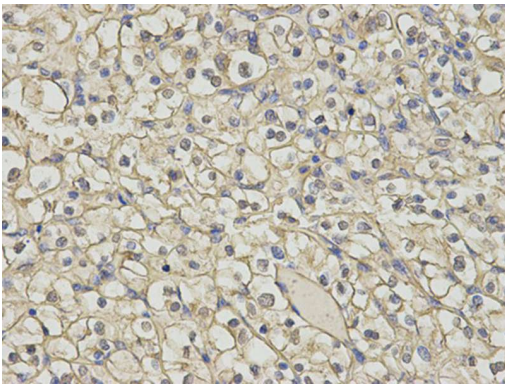
Western blot analysis of extracts of various cell lines, using HNMT antibody.



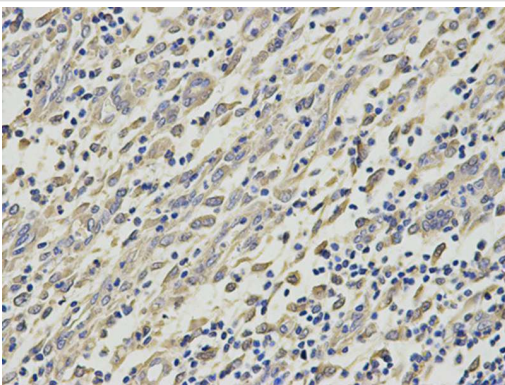
Immunohistochemical analysis of paraffin-embedded human thyroid cancer using HNMT antibody at dilution of 1:200 (200x lens).



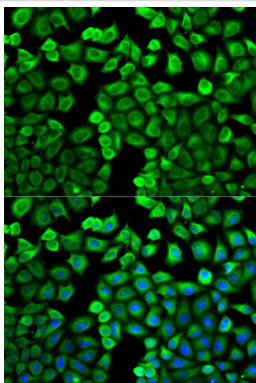
Immunohistochemical analysis of paraffin-embedded human breast cancer using HNMT antibody at dilution of 1:200 (200x lens).



Immunohistochemical analysis of paraffin-embedded human kidney cancer using HNMT antibody at dilution of 1:200 (400x lens).



Immunohistochemical analysis of paraffin-embedded human stomach cancer using HNMT antibody at dilution of 1:200 (400x lens).



Immunofluorescence analysis of U2OS cell using HNMT antibody. Blue: DAPI for nuclear staining.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.