ARG57050
anti-GNMT antibody [5D1]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [5D1] recognizes GNMT
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	5D1
Isotype	IgG2a, kappa
Target Name	GNMT
Species	Human
Immunogen	Recombinant fragment around aa. 1-295 of Human GNMT.
Conjugation	Un-conjugated
Alternate Names	Glycine N-methyltransferase; EC 2.1.1.20

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

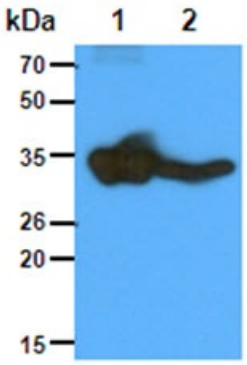
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
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

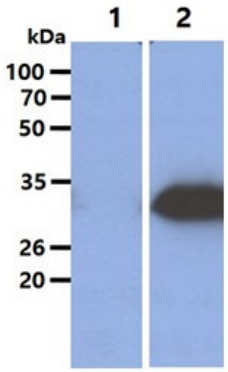
Database links	GeneID: 27232 Human Swiss-port # Q14749 Human
Gene Symbol	GNMT
Gene Full Name	glycine N-methyltransferase
Background	The protein encoded by this gene is an enzyme that catalyzes the conversion of S-adenosyl-L-methionine (along with glycine) to S-adenosyl-L-homocysteine and sarcosine. The encoded protein is found in the cytoplasm and acts as a homotetramer. Defects in this gene are a cause of GNMT deficiency (hypermethioninemia). [provided by RefSeq, Oct 2008]
Function	Catalyzes the methylation of glycine by using S-adenosylmethionine (AdoMet) to form N-methylglycine (sarcosine) with the concomitant production of S-adenosylhomocysteine (AdoHcy). Possible crucial role in the regulation of tissue concentration of AdoMet and of metabolism of methionine. [UniProt]
Calculated Mw	33 kDa

Images



ARG57050 anti-GNMT antibody [5D1] WB image

Western blot: 1) 50 ng of GNMT recombinant protein, 2) 40 µg of Liver tissue lysate stained with ARG57050 anti-GNMT antibody [5D1] at 1:1000.



ARG57050 anti-GNMT antibody [5D1] WB image

Western blot: 10 µg of 1) 293T cell lysate, 2) GNMT Transfected 293T cell lysate stained with ARG57050 anti-GNMT antibody [5D1] at 1:1000.