

Product datasheet for **TA501276**

GNMT Mouse Monoclonal Antibody [Clone ID: OT18A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT18A3
Applications:	FC, WB
Recommended Dilution:	WB: 1:200 - 1:1000, Flow 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GNMT (NP_061833) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32.6 kDa
Gene Name:	glycine N-methyltransferase
Database Link:	NP_061833 Entrez Gene 27232 Human Q14749
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).
Synonyms:	glycine N-methyltransferase; OTTHUMP00000016412



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Protein Families: Druggable Genome

Protein Pathways: Glycine, serine and threonine metabolism

Product images:

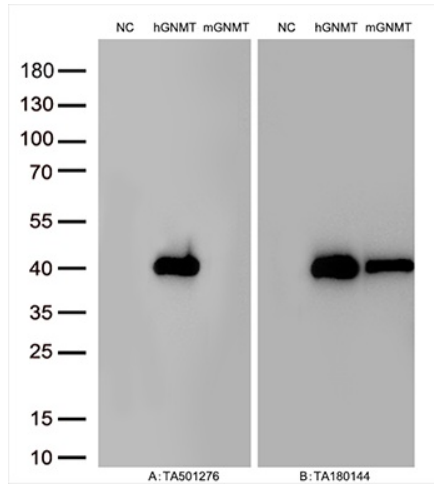
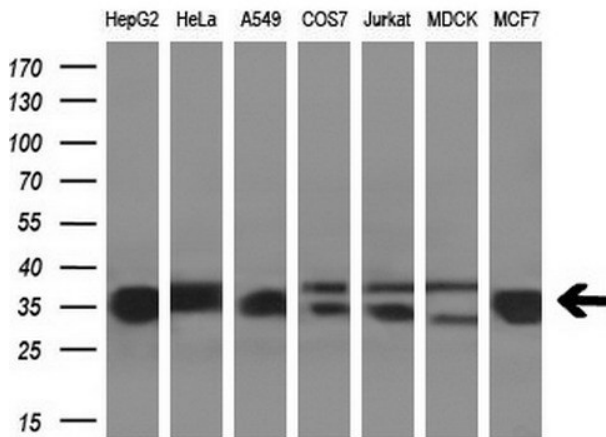
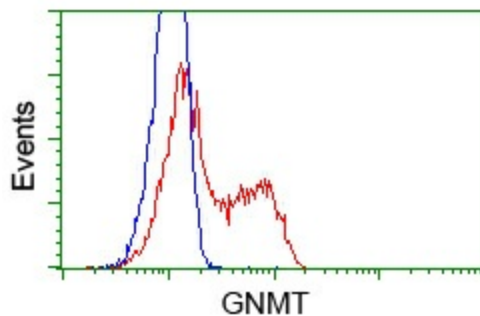


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC) , human GNMT plasmid ([RC207497], hGNMT), mouse GNMT plasmid ([MR204030], mGNMT) using anti-GNMT antibody TA501276 (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Western blot analysis of extracts (10ug) from 7 different cell lines by using anti-GNMT monoclonal antibody (1:200).



HEK293T cells transfected with either pCMV6-ENTRY GNMT ([RC207497]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-GNMT mouse monoclonal (TA501276), and then analyzed by flow cytometry.