



Anti-DNMT3B Antibody (Clone ABM1C25)

Alternative Names: DNMT3B, DNA (cytosine-5-)-methyltransferase 3 beta, DNA methyltransferase 3 beta, Dnmt3b

Catalogue Number: AA17-10024-100ug

Size: 100 µg

Background Information

DNA methyltransferase 3 beta (DNMT3B), is a DNA methyltransferase believed to function in de novo methylation, rather than in maintenance methylation. DNMT3B localises to the nucleus and its expression is developmentally regulated. It has been shown to interact with CBX5, DNMT1, DNMT3A, NCAPG, SMC2, KIF4A, SUMO1 and UBE2I.

DNMT3B is has N-terminal regulatory and C-terminal catalytic domains linked by repeated GK dipeptides (Glycine-Lysine-repeats). The N-terminal domain is responsible for nucleus localisation and plays a regulatory role. It also contains a proliferating cell nuclear antigen-binding domain, a cysteine rich zinc finger DNA binding motif (ATRX), a polybromo homology domain (PHD) and a PWWP tetrapeptide chromatin-binding domain.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgG1 kappa	Species Reactivity:	Human
Immunogen:	Full length recombinant Human DNMT3b		
Format:	100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB WB: 6-8 µg/ml		

Additional Information

Subcellular location:	Nucleus	MW:	96kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	1789	Uniprot ID:	Q9UBC3