



## Anti-DNMT3B Antibody (Clone ABM1C25)

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

**Catalogue Number:** AA17-10024-50ug

**Size:** 50 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 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

|                            |   |                            |       |
|----------------------------|---|----------------------------|-------|
| <b>Antibody Type:</b>      | Monoclonal  | <b>Host:</b>               | Mouse |
| <b>Isotype:</b>            | IgG1 kappa  | <b>Species Reactivity:</b> | Human |
| <b>Immunogen:</b>          | Full length recombinant Human DNMT3b  |                            |       |
| <b>Format:</b>             | 50 µg in 100 µl PBS containing 0.05% BSA and 0.05% sodium azide.                |                            |       |
| <b>Storage Conditions:</b> | 6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles. |                            |       |
| <b>Applications:</b>       | WB<br>WB: 6-8 µg/ml   |                            |       |

### Additional Information

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