

Mouse Monoclonal Antibody to DNMT3A

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| Catalogue Number | sAP-1352 |
| Target Molecule | <p>Name: DNMT3A</p> <p>Aliases: TBRS; DNMT3A2; M.HsaIIIA</p> <p>MW: 102kDa</p> <p>Entrez Gene ID: 1788</p> |
| Description | CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated. Alternative splicing results in multiple transcript variants encoding different isoforms.; |
| Immunogen | Purified recombinant fragment of human DNMT3A (AA: 46-180) expressed in E. Coli. |
| Reactive Species | Human; |
| Clone | MM4G5F11; |
| Size and Concentration | 100µg/1mg/ml |
| Supplied as | Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide |
| Reconstitution/Storages | Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage |
| Applications | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: ; FCM: 1 to 200 - 1 to 400 |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1.PLoS One. 2014 Jun 17;9(6):e93353. ; 2.Asian Pac J Cancer Prev. 2013;14(10):5713-8.; |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**