

DNMT3A Ab

[Images\(1\)](#)

Cat.#: DF6795	Concn.: ~1mg/ml	Mol.Wt.: 120-140kD
Size:	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200
*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

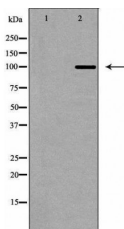
Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human DNMT3A, corresponding to a region within the internal amino acids.

Uniprot: Q9Y6K1

Description: Methylation of DNA at cytosine residues in mammalian cells is a heritable, epigenetic modification that is critical for proper regulation of gene expression, genomic imprinting and development (1,2). Three families of mammalian DNA methyltransferases have been identified: DNMT1, DNMT2 and DNMT3 (1,2). DNMT1 is constitutively expressed in proliferating cells and functions as a maintenance methyltransferase, transferring proper methylation patterns to newly synthesized DNA during replication. DNMT3A and DNMT3B are strongly expressed in embryonic stem cells with reduced expression in adult somatic tissues. DNMT3A and DNMT3B function as de novo methyltransferases that methylate previously unmethylated regions of DNA.



Western blot analysis of HeLa whole cell lysates, using DNMT3A Ab. The lane on the left was treated with the antigen-specific peptide.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

procedures. Not for resale without express authorization.