# Dnmt3A Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Dnmt3A, Polyclonal Antibody |
| **Full Product Name** | Dnmt3A, CT (Dnmt3A2, DNMT3A, DNA (cytosine-5)-methyltransferase 3A, DNA methyltransferase HsaIIIA) (MaxLight 650) |
| **Product Gene Name** | anti-Dnmt3A antibody |
| **Product Synonym Names** | Dnmt3A2; DNMT3A; DNA (cytosine-5)-methyltransferase 3A; DNA methyltransferase HsaIIIA |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 102kDa |
| **Chromosome Location** | Chromosome: 2; NC_000002.11 (25451421..25565459, complement). Location: 2p23 |
| **OMIM** | 602769 |
| **3D Structure** | ModBase 3D Structure for Q9Y6K1 |
| **Immunogen** | Dnmt3A/Dnmt3A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 507~537 amino acids from the C-terminal region of human DNMT3A2. |
| **Conjugate** | MaxLight650 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-Dnmt3A antibody** | Antibodies; Enzymes; Methyltransferase |
| **Applications Tested/Suitable for anti-Dnmt3A antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-Dnmt3A antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-Dnmt3A antibody** | 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. DNMT3A is 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. |
| **Other Notes** | Small volumes of anti-Dnmt3A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for Dnmt3A purchase** | MBS6293067 is an antibody targeting Dnmt3A. Also known as Dnmt3A, CT (Dnmt3A2, DNMT3A, DNA (cytosine-5)-methyltransferase 3A, DNA methyltransferase HsaIIIA) (MaxLight 650). Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dnmt3A. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 12751473 |
| **NCBI GeneID** | 1788 |
| **NCBI Accession #** | NP_072046.2 |
| **UniProt Primary Accession #** | Q9Y6K1 |
| **UniProt Secondary Accession #** | Q86TE8; Q86XF5; Q8IZV0; Q8WXU9; E9PEB8 |
| **UniProt Related Accession #** | Q9Y6K1 |
| **GenBank Nucleotide #** | NM_022552.4 |
| **NCBI Official Full Name** | DNA (cytosine-5)-methyltransferase 3A isoform a |
| **NCBI Official Synonym Full Names** | DNA (cytosine-5-)-methyltransferase 3 alpha |
| **NCBI Official Symbol** | DNMT3A |
| **NCBI Official Synonym Symbols** | DNMT3A2; M.HsaIIIA |
| **UniProt Protein Name** | DNA (cytosine-5)-methyltransferase 3A |
| **UniProt Synonym Protein Names** | DNA methyltransferase HsaIIIA |
| **Protein Family** | DNA |
| **UniProt Gene Name** | DNMT3A |
| **UniProt Synonym Gene Names** | Dnmt3a; DNA MTase HsaIIIA; M.HsaIIIA |
| **UniProt Entry Name** | DNM3A_HUMAN |
| **NCBI Protein Information** | DNA (cytosine-5)-methyltransferase 3A; DNA (cytosine-5)-methyltransferase 3A; DNA MTase HsaIIIA; DNA cytosine methyltransferase 3A2 |
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