

AP11035PU-N**Polyclonal Antibody to DNMT3A (C-term) - Purified**

Alternate names: DNA (cytosine-5)-methyltransferase 3A, DNA MTase HsaIIIA, DNA methyltransferase HsaIIIA, M.HsaIIIA

Quantity: 0.4 ml

Concentration: lot specific

Background: 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.

Uniprot ID: [Q9Y6K1](#)

NCBI: [9606](#)

GeneID: [1788](#)

Host / Isotype: Rabbit / Ig

Immunogen: This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human DNMT3A2.

Format: **State:** Liquid purified Ig fraction.

Purification: Protein A Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Buffer System: PBS containing 0.09% (W/V) Sodium Azide as preservative.

Applications: ELISA: 1/1,000.

Western Blot: 1/100-1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody will recognize Dnmt3A/Dnmt3A2 (C-term).

Species: Human.

Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Caution: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Pictures:

Figure 1. Western blot analysis of DNMT3A Antibody (C-term) (Cat.# AP11035PU-N) in HepG2 cell line lysates (35ug/lane). DNMT3A (arrow) was detected using the purified Pab.

