

AP51302PU-N**Polyclonal Antibody to DNMT3A (Center) - Aff - 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. 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. [provided by RefSeq].
Uniprot ID:	Q9Y6K1
NCBI:	NP_072046
GenelD:	1788
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide selected from the Central region of Human DNMT3A Genename: DNMT3A
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography on Protein A Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	ELISA: 1/1000. 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 recognizes Human DNMT3A (Center).
Add. Information:	Molecular Weight: 101858 Da
Storage:	Store 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.
General Readings:	1. Holz-Schietinger, C., et al. J. Biol. Chem. 285(38):29091-29100 (2010). 2. Kelemen, L.E., et al. Cancer Epidemiol. Biomarkers Prev. 19(7):1822-1830 (2010). 3. Park, C.W., et al. J Cardiovasc Transl Res 3(3):290-295 (2010). 4. Haggarty, P., et al. PLoS ONE 5 (6), E11329 (2010). 5. Zhao, Z., et al. J. Biomed. Biotechnol. 2010, 737535 (2010)

Pictures:

Western blot analysis of DNMT3A Antibody (Center) Cat.-No AP51302PU-N in HL-60 cell line lysates (35ug/lane). This demonstrates the DNMT3A antibody detected the DNMT3A protein (arrow).

