

## Product datasheet for **AP11051PU-N**

### **DNMT3A (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	ELISA: 1/1,000. Western Blot: 1/50-1/100. Immunohistochemistry: 1/10~1/50.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human Dnmt3a.
<b>Specificity:</b>	This antibody is specific to Dnmt3a (N-term). It will cross reacts with Mouse (Predicted by 100% Antigen Homology).
<b>Formulation:</b>	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	DNA (cytosine-5-)-methyltransferase 3 alpha
<b>Database Link:</b>	<a href="#">Entrez Gene 1788 Human</a> <a href="#">Q9Y6K1</a>



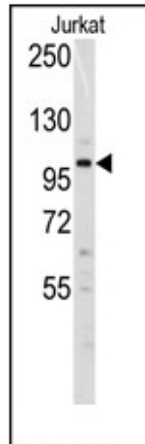
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**Background:**

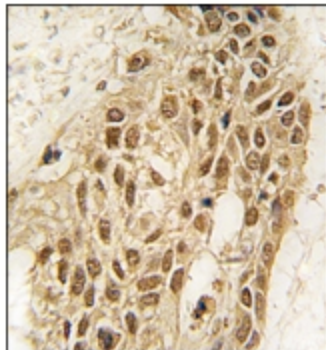
CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. Dnmt3a is a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated.

**Synonyms:**

DNA MTase HsallIA, M.HsallIA

**Product images:**

Western blot analysis of anti-Dnmt3a Antibody (N-term R46) in Jurkat cell line lysates (35ug/lane). Dnmt3a (arrow) was detected using the purified Pab (1/60 dilution).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Dnmt3a antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.