

## Recombinant Dnmt3a Monoclonal Antibody

catalog number: **AN301186L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

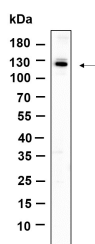
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human Dnmt3a protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	9D12
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

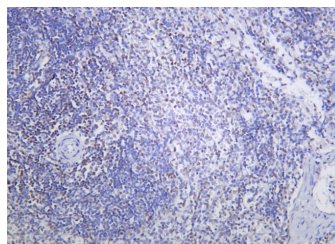
Applications	Recommended Dilution
IHC	1:100-1:500
WB	1:2000-1:10000

### Data



Western Blot with Recombinant Dnmt3a Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Rat brain lysate.

**Observed-MW:130 kDa**  
**Calculated-MW:102 kDa**



Immunohistochemistry of paraffin-embedded rat spleen using Recombinant Dnmt3a Monoclonal Antibody at dilution of 1:200.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### 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.

### For Research Use Only