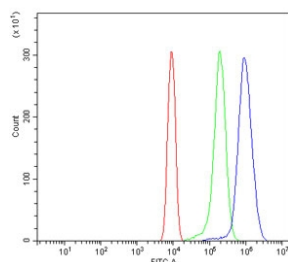


## Dnmt3l Antibody (RQ6549)

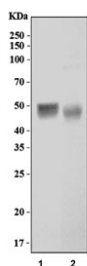
Catalog No.	Formulation	Size
RQ6549	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9CWR8
<b>Applications</b>	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Dnmt3l antibody is available for research use only.



Flow cytometry testing of mouse ANA-1 cells with Dnmt3l antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Dnmt3l antibody.



Western blot testing of 1) rat kidney and 2) mouse kidney tissue lysate with Dnmt3l antibody. Predicted molecular weight ~49 kDa.

## Description

DNA (cytosine-5)-methyltransferase 3-like is an enzyme that in humans is encoded by the DNMT3L gene. 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 nuclear protein that is a catalytically inactive regulatory factor of DNA methyltransferases. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the Dnmt3l antibody should be determined by the researcher.

## Immunogen

An E. coli-derived mouse protein (amino acids A43-L421) was used as the immunogen for the Dnmt3l antibody.

## Storage

After reconstitution, the Dnmt3l antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.