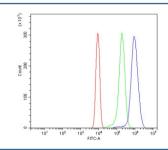


Dnmt3l Antibody (RQ6549)

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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9CWR8
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.