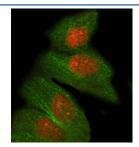


PRDM8 Antibody / PR domain zinc finger protein 8 (RQ8069)

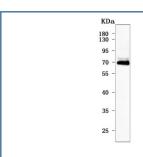
Catalog No.	Formulation	Size
RQ8069	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

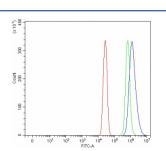
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NQV8
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PRDM8 antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with PRDM8 antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human MCF7 cell lysate with PRDM8 antibody. Predicted molecular weight ~72 kDa.



Flow cytometry testing of fixed and permeabilized human A431 cells with PRDM8 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PRDM8 antibody.

Description

This gene encodes a protein that belongs to a conserved family of histone methyltransferases that predominantly act as negative regulators of transcription. The encoded protein contains an N-terminal Su(var)3-9, Enhancer-of-zeste, and Trithorax (SET) domain and a double zinc-finger domain. Knockout of this gene in mouse results in mistargeting by neurons of the dorsal telencephalon, abnormal itch-like behavior, and impaired differentiation of rod bipolar cells. In humans, the protein has been shown to interact with the phosphatase laforin and the ubiquitin ligase malin, which regulate glycogen construction in the cytoplasm. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the PRDM8 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D14-D405) was used as the immunogen for the PRDM8 antibody.

Storage

After reconstitution, the PRDM8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.