

PRDM14 Rabbit pAb

Catalog No.: A5543

Basic Information

Observed MW

70kDa

Calculated MW

64kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA, CHIP

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the PRDI-BF1 and RIZ homology domain containing (PRDM) family of transcriptional regulators. The encoded protein may possess histone methyltransferase activity and plays a critical role in cell pluripotency by suppressing the expression of differentiation marker genes. Expression of this gene may play a role in breast cancer.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

ChIP 5µg antibody for 10µg-15µg of Chromatin

Immunogen Information

Gene ID

63978

Swiss Prot

Q9GZV8

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human PRDM14 (NP_078780.1).

Synonyms

PFM11; PRDM14

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

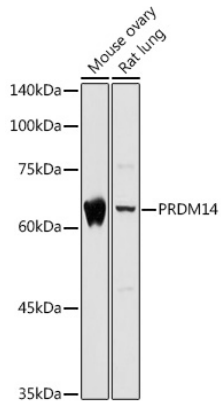
Affinity purification

Storage

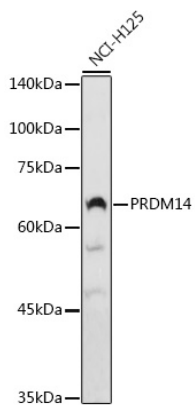
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

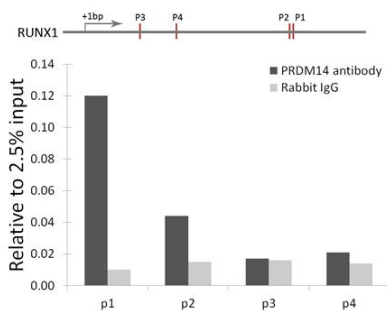
Validation Data



Western blot analysis of various lysates using PRDM14 Rabbit pAb (A5543) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

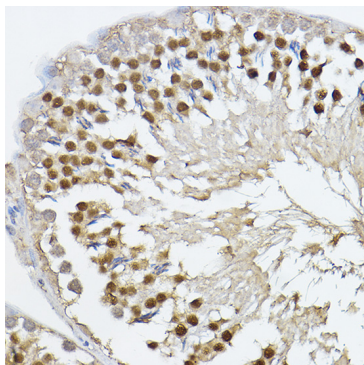


Western blot analysis of lysates from NCI-H125 cells, using PRDM14 Rabbit pAb (A5543) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Chromatin immunoprecipitation analysis of RUNX1 gene from 293 cell line, using PRDM14 antibody (A5543) and rabbit IgG. P1, P2, P3 and P4 were four probes located on RUNX1 gene as the schematic diagram illustrated. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat testis using PRDM14 Rabbit pAb (A5543) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.