# PRDM14 Rabbit pAb

**Catalog NO.: A5543** 2 Publications

## Basic Information

### Observed MW
70kDa

### Calculated MW
64kDa

### Category
Polyclonal Antibodies

### Applications
WB, IHC-P, ELISA, ChIP

### Cross-Reactivity
Human, Mouse, Rat

### Conjugation
Unconjugated

## 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 protein (or fragment).This information is considered to be commercially sensitive.

### Synonyms
PFM11; PRDM14

## Contact

## Product Information

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www.abclonal.com

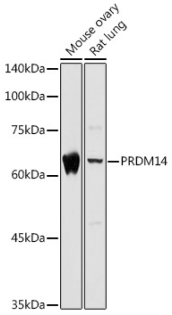
**Source**
Rabbit

**Isotype**
IgG

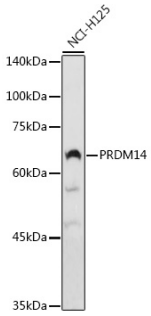
**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

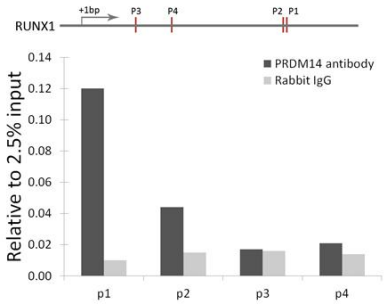
## Validation Data




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.

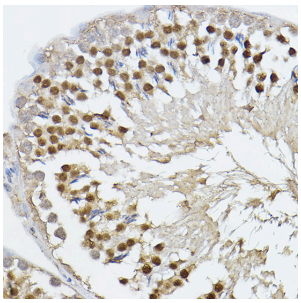



Western blot analysis of lysates from NCI-H125 cells, using PRDM14 Rabbit pAb (A5543) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
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 buffer (pH 6.0) prior to IHC staining.

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