

**PRDM14 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21051a**

**Specification**

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**PRDM14 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9GZV8</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	64062

**PRDM14 Antibody (N-term) - Additional Information**

**Gene ID** 63978

**Other Names**

PR domain zinc finger protein 14, 211-, PR domain-containing protein 14, PRDM14

**Target/Specificity**

This PRDM14 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 128-163 amino acids from the N-terminal region of human PRDM14.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PRDM14 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRDM14 Antibody (N-term) - Protein Information**

**Name** PRDM14

**Function** Transcription factor that has both positive and negative roles on transcription. Required for the maintenance of embryonic stem cell identity and the reacquisition of pluripotency in somatic cells. May play an essential role in germ cell development at 2 levels: the reacquisition of

potential pluripotency, including SOX2 up-regulation, and successful epigenetic reprogramming, characterized by EHMT1 repression. Its association with CBFA2T2 is required for the functions in pluripotency and germ cell formation (By similarity). Directly up-regulates the expression of pluripotency gene POU5F1 through its proximal enhancer. Binds to the DNA consensus sequence 5'-GGTC[TC]CTAA-3'.

**Cellular Location**

Nucleus.

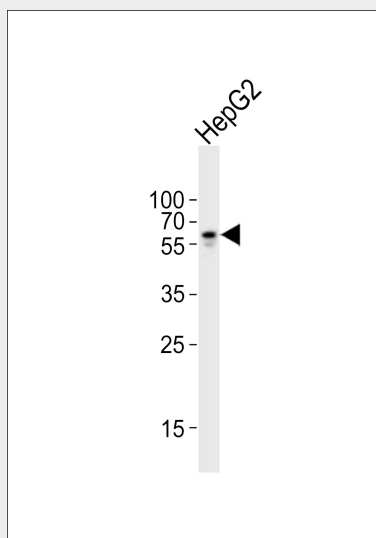
**Tissue Location**

Expressed in embryonic stem cells. Tends to be overexpressed in breast cancer (at protein level)

**PRDM14 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PRDM14 Antibody (N-term) - Images**

Western blot analysis of lysate from HepG2 cell line, using PRDM14 Antibody (N-term)(Cat. #AP21051a). AP21051a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

**PRDM14 Antibody (N-term) - Background**

Transcription factor that has both positive and negative roles on transcription. Required for the maintenance of embryonic stem cell identity and the reacquisition of pluripotency in somatic cells. May play an essential role in germ cell development at 2 levels: the reacquisition of potential pluripotency, including SOX2 up-regulation, and successful epigenetic reprogramming,

characterized by EHMT1 repression (By similarity). Directly up-regulates the expression of pluripotency gene POU5F1 through its proximal enhancer. Binds to the DNA consensus sequence 5'-GGTC[TC]CTAA-3'.

#### **PRDM14 Antibody (N-term) - References**

Yang X.-H.,et al.Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Nishikawa N.,et al.Cancer Res. 67:9649-9657(2007).  
Chia N.Y.,et al.Nature 468:316-320(2010).  
Rigbolt K.T.,et al.Sci. Signal. 4:RS3-RS3(2011).