10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

PRDM14 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9GZV8
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

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.

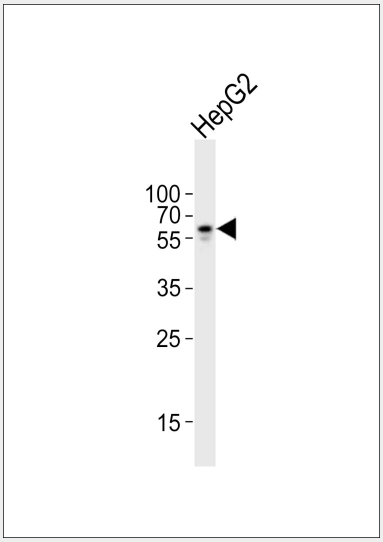
Tissue Location
Expressed in embryonic stem cells. Tends to be overexpressed in breast cancer (at protein level)

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 Cytomety
- 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 emryonic 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.
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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).