# ARG56309
# anti-PRDM14 antibody

Package: 100 µl, 50 µl
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes PRDM14 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | ChIP, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | PRDM14 |
| Species | Human |
| Immunogen | Recombinant protein of Human PRDM14 |
| Conjugation | Un-conjugated |
| Alternate Names | PFM11; PR domain zinc finger protein 14; PR domain-containing protein 14; EC 2.1.1.- |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| ChIP | 1:20 - 1:100 |
| IHC-P | 1:50 - 1:200 |
| WB | 1:500 - 1:2000 |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa

## Properties

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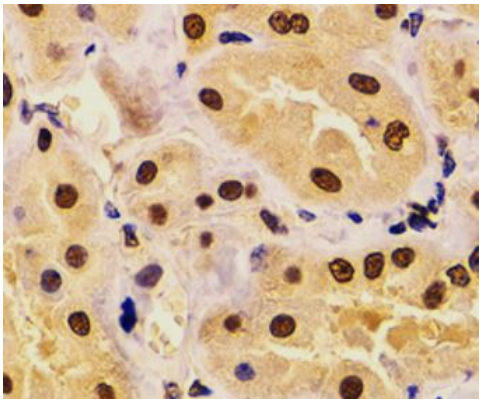
|---|---|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

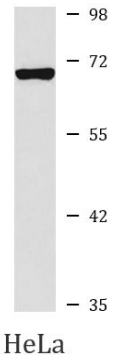
| | |
|---|---|
| Database links | GeneID: 383491 Mouse<br>GeneID: 63978 Human<br>Swiss-port # E9Q3T6 Mouse<br>Swiss-port # Q9GZV8 Human |
| Gene Symbol | PRDM14 |
| Gene Full Name | PR domain containing 14 |
| Background | This gene encodes a member of the PRDI-BF1 and RIZ homology domain containing (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. [provided by RefSeq, Dec 2011] |
| Function | 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'. [UniProt] |
| Calculated Mw | 64 kDa |

## Images



ARG56309 anti-PRDM14 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney stained with ARG56309 anti-PRDM14 antibody at 1:100 dilution.




ARG56309 anti-PRDM14 antibody WB image

Western blot: HeLa cell lysate stained with ARG56309 anti-PRDM14 antibody.