

# PRDM10 (48AT1224.90.46): sc-130240

## BACKGROUND

The PR-domain containing proteins (PRDMs) have a common involvement in the modulation of gene activities. A PR-domain family member usually produces two products, which differ by the presence or absence of the PR domain. The PR-plus product is underexpressed or disrupted, whereas the PR-minus product is present or overexpressed in cancer cells. This imbalance in the amount of the two products, which is a result of either genetic or epigenetic events, appears to be an determining cause of malignancy. Research suggests that PR-domain protein PRDM10 may function as a transcription factor.

## REFERENCES

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2. Huang, S. 1999. The retinoblastoma protein-interacting zinc finger gene RIZ in 1p36-linked cancers. *Front. Biosci.* 4: D528-D532.
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## CHROMOSOMAL LOCATION

Genetic locus: PRDM10 (human) mapping to 11q24.3; Prdm10 (mouse) mapping to 9 A4.

## SOURCE

PRDM10 (48AT1224.90.46) is a mouse monoclonal antibody raised against an N-terminal peptide of recombinant PRDM10 of human origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

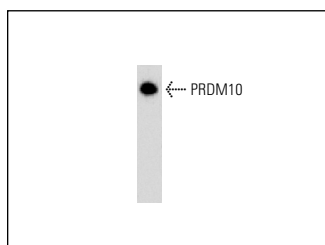
## APPLICATIONS

PRDM10 (48AT1224.90.46) is recommended for detection of PRDM10 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for PRDM10 siRNA (h): sc-72002, PRDM10 siRNA (m): sc-152444, PRDM10 shRNA Plasmid (h): sc-72002-SH, PRDM10 shRNA Plasmid (m): sc-152444-SH, PRDM10 shRNA (h) Lentiviral Particles: sc-72002-V and PRDM10 shRNA (m) Lentiviral Particles: sc-152444-V.

Molecular Weight of PRDM10: 121 kDa.

## DATA



PRDM10 (48AT1224.90.46): sc-130240. Western blot analysis of PRDM10 expression in 293 whole cell lysates.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.