

PRDM8 (N-16): sc-48277

BACKGROUND

Usually, two products are produced from a PR-domain family member; these products 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 a determining cause of malignancy. PRDM8 in particular is thought to be involved in transcriptional regulation. Its subcellular location is the nucleus and research indicates that PRDM8 contains three C₂H₂-type zinc fingers and one SET domain.

CHROMOSOMAL LOCATION

Genetic locus: PRDM8 (human) mapping to 4q21.21; Prdm8 (mouse) mapping to 5 E3.

SOURCE

PRDM8 (C-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of PRDM8 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-48277 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-48277 X, 200 µg/0.1 ml.

STORAGE

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

APPLICATIONS

PRDM8 (N-16) is recommended for detection of PRDM8 of mouse and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

PRDM8 (N-16) is also recommended for detection of PRDM8 in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for PRDM8 siRNA (h): sc-61399, PRDM8 siRNA (m): sc-61400, PRDM8 shRNA Plasmid (h): sc-61399-SH, PRDM8 shRNA Plasmid (m): sc-61400-SH, PRDM8 shRNA (h) Lentiviral Particles: sc-61399-V and PRDM8 shRNA (m) Lentiviral Particles: sc-61400-V.

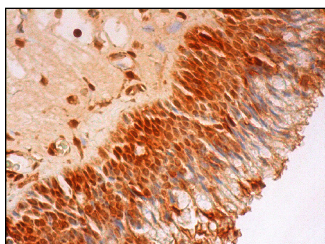
PIBF (K-18) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of PRDM8: 72 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 3) Immunohistochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

DATA



PRDM8 (N-16): sc-48277. Immunoperoxidase staining of formalin fixed, paraffin-embedded human nasopharynx tissue showing nuclear and cytoplasmic staining of respiratory epithelial cells.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

MONOS
Satisfaction
Guaranteed

Try **PRDM8 (E-3): sc-390001**, our highly recommended monoclonal alternative to PRDM8 (N-16).