

Zimp10 (N-17): sc-82438

BACKGROUND

Zimp10, also known as ZMIZ1 (zinc finger, MIZ-type containing 1), MIZ or RAI17, is a 1,067 amino acid protein that localizes to both the nucleus and the cytoplasm and contains one SP-RING-type zinc finger. Expressed in ovary, prostate, testis and spleen, Zimp10 interacts with AR (androgen receptor) and functions to increase the ligand-dependent transcriptional activity of AR and promote the sumoylation of AR, an event which is necessary for AR stimulation and overall activity. Multiple isoforms of Zimp10 exist due to alternative splicing events. The gene encoding Zimp10 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

CHROMOSOMAL LOCATION

Genetic locus: ZMIZ1 (human) mapping to 10q22.3; Zmiz1 (mouse) mapping to 14 A3.

SOURCE

Zimp10 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of Zimp10 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-82438 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

Zimp10 (N-17) is recommended for detection of Zimp10 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)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Zimp10 (N-17) is also recommended for detection of Zimp10 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Zimp10 siRNA (h): sc-76960, Zimp10 siRNA (m): sc-76961, Zimp10 shRNA Plasmid (h): sc-76960-SH, Zimp10 shRNA Plasmid (m): sc-76961-SH, Zimp10 shRNA (h) Lentiviral Particles: sc-76960-V and Zimp10 shRNA (m) Lentiviral Particles: sc-76961-V.

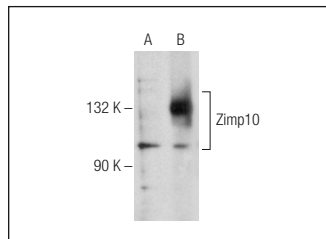
Molecular Weight of Zimp10: 130 kDa.

Positive Controls: Zimp10 (h): 293T Lysate: sc-372421 or mouse testis extract: sc-2405.

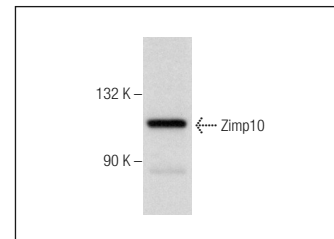
RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



Zimp10 (N-17): sc-82438. Western blot analysis of Zimp10 expression in non-transfected: sc-117752 (A) and human Zimp10 transfected: sc-372421 (B) 293T whole cell lysates.



Zimp10 (N-17): sc-82438. Western blot analysis of Zimp10 expression in mouse testis tissue extract.

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 **Zimp10 (G-12): sc-376825**, our highly recommended monoclonal alternative to Zimp10 (N-17).