

# RBBP9 (N-14): sc-85868

## BACKGROUND

RBBP9 (retinoblastoma-binding protein 9), also known as BOG or RBBP10, is a 186 amino acid protein that localizes to both the nucleus and the cytoplasm. Expressed in a variety of tissues with higher expression in cancer cells, RBBP9 function as a retinoblastoma (Rb) binding protein that is thought to play a role in cell proliferation and differentiation events. Specifically, RBBP9 interacts with Rb and provides cellular resistance to the growth-inhibitory effects of TGF $\beta$ 1, thus facilitating the cellular transformation process. Due to its high expression level in cancer cells, RBBP9 may play a role in carcinogenesis and tumor formation. Two isoforms of RBBP9 exist due to alternative splicing events.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RBBP9 (human) mapping to 20p11.23; Rbbp9 (mouse) mapping to 2 G1.

## SOURCE

RBBP9 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of RBBP9 of human origin.

## STORAGE

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

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-85868 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

RBBP9 (N-14) is recommended for detection of RBBP9 of mouse, rat 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RBBP9 (N-14) is also recommended for detection of RBBP9 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for RBBP9 siRNA (h): sc-76361, RBBP9 siRNA (m): sc-152720, RBBP9 shRNA Plasmid (h): sc-76361-SH, RBBP9 shRNA Plasmid (m): sc-152720-SH, RBBP9 shRNA (h) Lentiviral Particles: sc-76361-V and RBBP9 shRNA (m) Lentiviral Particles: sc-152720-V.

Molecular Weight of RBBP9: 21 kDa.

Positive Controls: MCF7 whole cell lysate: sc-2206.

## 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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> 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<sup>™</sup> Mounting Medium: sc-24941.

## RESEARCH USE

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

## PROTOCOLS

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