

# RBAK (D-16): sc-79002

## BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krueppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. RBAK (RB-associated KRAB zinc finger), also known as ZNF769 (zinc finger protein 769), is a 714 amino acid protein that localizes to the nucleus and contains one KRAB domain and 16 C<sub>2</sub>H<sub>2</sub>-type zinc fingers. Expressed in liver, heart, kidney, placenta, pancreas, lung and bone, RBAK interacts with AR (androgen receptor) and Rb (retinoblastoma) and is thought to both promote AR-dependent transcription and repress E2F-dependent transcription.

## REFERENCES

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## 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) or our catalog for detailed protocols and support products.

## CHROMOSOMAL LOCATION

Genetic locus: Rbak (mouse) mapping to 5 G2.

## SOURCE

RBAK (D-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RBAK of mouse 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-79002 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

RBAK (D-16) is recommended for detection of RBAK of mouse and rat 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).

Suitable for use as control antibody for RBAK siRNA (m): sc-76360, RBAK shRNA Plasmid (m): sc-76360-SH and RBAK shRNA (m) Lentiviral Particles: sc-76360-V.

Molecular Weight (predicted) of RBAK: 83 kDa.

Molecular Weight (observed) of RBAK: 89 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.

## RESEARCH USE

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