

RREB1 (N-12): sc-138056

BACKGROUND

RREB1 (Ras responsive element binding protein 1), also known as FINB, LZ321 or Zep-1, is a 1,687 amino acid protein that localizes to nuclear speckles and contains 15 C₂H₂-type zinc fingers. Expressed in pancreas, heart, liver, placenta, lung, kidney and skeletal muscle, RREB1 functions as a transcription factor that binds to the Ras-responsive element (RRE) of target gene promoters, thereby inducing their transcription. In addition, RREB1 is thought to be involved in Raf/Ras-mediated cell differentiation, possibly by enhancing the expression of Calcitonin, a hormone that is produced by the thyroid gland and plays an essential role in maintaining blood calcium levels. Due to its involvement in cell differentiation events, RREB1 may be involved in Raf/Ras-related tumor formation. Four isoforms of RREB1 exist due to alternative splicing.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RREB1 (human) mapping to 6p24.3; Rreb1 (mouse) mapping to 13 A3.3.

SOURCE

RREB1 (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of RREB1 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-138056 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RREB1 (N-12) is recommended for detection of RREB1 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).

RREB1 (E-13) is also recommended for detection of RREB1 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for RREB1 siRNA (h): sc-95379, RREB1 siRNA (m): sc-153127, RREB1 shRNA Plasmid (h): sc-95379-SH, RREB1 shRNA Plasmid (m): sc-153127-SH, RREB1 shRNA (h) Lentiviral Particles: sc-95379-V and RREB1 shRNA (m) Lentiviral Particles: sc-153127-V.

Molecular Weight of RREB1: 181 kDa.

Positive Controls: KNRK whole cell lysate: sc-2214.

DATA



RREB1 (N-12): sc-138056. Western blot analysis of RREB1 expression in KNRK whole cell lysate.

STORAGE

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

RESEARCH USE

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

MONOS
Satisfaction
Guaranteed

Try **RREB1 (B-7): sc-515600**, our highly recommended monoclonal alternative to RREB1 (N-12).