

RPESP (S-12): sc-87411

BACKGROUND

Made up of nearly 146 million bases, chromosome 8 encodes about 800 genes. Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and typically associated with a poor prognosis. Portions of chromosome 8 have been linked to schizophrenia and bipolar disorder. Trisomy 8, also known as Warkany syndrome 2, most often results in early miscarriage but is occasionally seen in a mosaic form in surviving patients who suffer to a varying degree from a number of symptoms including retarded mental and motor development, and certain facial and developmental defects. WRN is a DNA helicase encoded by chromosome 8 and shown defective in those with the early aging disorder Werner syndrome. Chromosome 8 is also associated with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C8orf84 (human) mapping to 8q21.11; Gm106 (mouse) mapping to 1 A3.

SOURCE

RPESP (S-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of RPESP 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.

PROTOCOLS

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

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-87411 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RPESP (S-12) is recommended for detection of RPESP 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), 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).

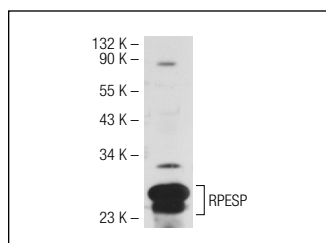
RPESP (S-12) is also recommended for detection of RPESP in additional species, including canine and bovine.

Suitable for use as control antibody for RPESP siRNA (h): sc-77491, RPESP siRNA (m): sc-145466, RPESP shRNA Plasmid (h): sc-77491-SH, RPESP shRNA Plasmid (m): sc-145466-SH, RPESP shRNA (h) Lentiviral Particles: sc-77491-V and RPESP shRNA (m) Lentiviral Particles: sc-145466-V.

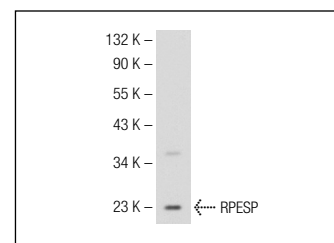
Molecular Weight of ARPE-19: 30 kDa.

Positive Controls: ARPE-19 whole cell lysate, RPE-J cell lysate: sc-24771, Y79 cell lysate: sc-2240 or rat eye tissue extract.

DATA



RPESP (S-12): sc-87411. Western blot analysis of RPESP expression in ARPE-19 whole cell lysate.



RPESP (S-12): sc-87411. Western blot analysis of RPESP expression in Y79 whole cell lysate.

RESEARCH USE

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