

RALYL (P-14): sc-87378

BACKGROUND

RALYL (RNA-binding Raly-like protein), also known as HNRPCL3 (heterogeneous nuclear ribonucleoprotein C-like 3), is a 291 amino acid protein that belongs to the RRM HNRPC family and the RALY subfamily. The RALYL protein contains one RRM (RNA recognition motif) domain. Existing as two alternatively spliced isoforms, the RALYL gene maps to human chromosome 8q21.2. 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. 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: RALYL (human) mapping to 8q21.2; Raly (mouse) mapping to 3 A1.

SOURCE

RALYL (P-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RALYL 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-87378 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

RALYL (P-14) is recommended for detection of RALYL 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).

RALYL (P-14) is also recommended for detection of RALYL in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for RALYL siRNA (h): sc-77729, RALYL siRNA (m): sc-152692, RALYL shRNA Plasmid (h): sc-77729-SH, RALYL shRNA Plasmid (m): sc-152692-SH, RALYL shRNA (h) Lentiviral Particles: sc-77729-V and RALYL shRNA (m) Lentiviral Particles: sc-152692-V.

Molecular Weight of RALYL isoforms 1/2: 32/25 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.

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.

PROTOCOLS

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