SANTA CRUZ BIOTECHNOLOGY, INC.

FAM91A1 (C-14): sc-87727

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

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. The FAM91A1 gene product has been provisionally designated FAM91A1 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FAM91A1 (human) mapping to 8q24.13; D15Ertd621e (mouse) mapping to 15 D1.

SOURCE

FAM91A1 (C-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of FAM91A1 of human origin.

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-87727 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FAM91A1 (C-14) is recommended for detection of FAM91A1 of human origin, D15Ertd621e of mouse origin and the corresponding rat homolog 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).

FAM91A1 (C-14) is also recommended for detection of FAM91A1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FAM91A1 siRNA (h): sc-77680, D15Ertd621e siRNA (m): sc-142788, FAM91A1 shRNA Plasmid (h): sc-77680-SH, D15Ertd621e shRNA Plasmid (m): sc-142788-SH, FAM91A1 shRNA (h) Lentiviral Particles: sc-77680-V and D15Ertd621e shRNA (m) Lentiviral Particles: sc-142788-V.

Molecular Weight of FAM91A1: 94 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (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.