SANTA CRUZ BIOTECHNOLOGY, INC.

Nrarp (S-13): sc-136770

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Nrarp (NOTCH-regulated ankyrin repeat protein) is a 114 amino acid protein that contains 2 ANK repeats and is thought to play a role in the formation of somites. The gene encoding Nrarp maps to human chromosome 9, which contains 145 million base pairs and comprises 4% of the human genome, encoding nearly 900 genes. Hereditary hemorrhagic telangiectasia and familial dysautonomia are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in translocations that lead to the aberrant production of a Bcr-ABL fusion protein often found in leukemias.

REFERENCES

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4. Burmeister, T., et al. 2007. Atypical Bcr-ABL mRNA transcripts in adult acute lymphoblastic leukemia. Haematologica 92: 1699-1702.
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7. Gardiner, J., et al. 2007. Potential role of tubulin acetylation and microtubule-based protein trafficking in familial dysautonomia. Traffic 8: 1145-1149.
8. Hims, M.M., et al. 2007. A humanized IKBKAP transgenic mouse models a tissue-specific human splicing defect. Genomics 90: 389-396.
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CHROMOSOMAL LOCATION

Genetic locus: NRARP (human) mapping to 9q34.3; Nrarp (mouse) mapping to 2 A3.

SOURCE

Nrarp (S-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Nrarp 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 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-136770 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Nrarp (S-13) is recommended for detection of Nrarp 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).

Nrarp (S-13) is also recommended for detection of Nrarp in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for Nrarp siRNA (h): sc-92560, Nrarp siRNA (m): sc-150061, Nrarp shRNA Plasmid (h): sc-92560-SH, Nrarp shRNA Plasmid (m): sc-150061-SH, Nrarp shRNA (h) Lentiviral Particles: sc-92560-V and Nrarp shRNA (m) Lentiviral Particles: sc-150061-V.

Molecular Weight of Nrarp: 12 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.