Neuralized-2 (N-13): sc-98033



The Power to Question

BACKGROUND

Neuralized-2, also known as NEURL2, OZZ or Ozz-E3, is a 285 amino acid cytoplasmic protein involved in myofiber differentiation and maturation that is induced during differentiation. Expressed predominantly in skeletal and cardiac muscle, Neuralized-2 localizes to the tips of differentiating myofibers and regulates ubiquitination and degradation of β -catenin at the sarcolemma. Neuralized-2 contains one SOCS box domain, through which it interacts with Elongin B and Elongin C, and one NHR (neuralized homology repeat) domain that is implicated in ubiquitination substrate binding. The gene encoding Neuralized-2 maps to human chromosome 20, which is comprised of approximately 2% of the human genome, contains nearly 63 million bases and encodes over 600 genes. Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis and Alagille syndrome are associated with chromosome 20.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: NEURL2 (human) mapping to 20q13.12.

SOURCE

Neuralized-2 (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a cytoplasmic domain of Neuralized-2 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-98033 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Neuralized-2 (N-13) is recommended for detection of Neuralized-2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

Suitable for use as control antibody for Neuralized-2 siRNA (h): sc-75905, Neuralized-2 shRNA Plasmid (h): sc-75905-SH and Neuralized-2 shRNA (h) Lentiviral Particles: sc-75905-V.

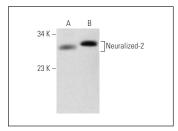
Molecular Weight of Neuralized-2: 31 kDa.

Positive Controls: LADMAC whole cell lysate: sc-364189.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



Neuralized-2 (N-13): sc-98033. Western blot analysis of Neuralized-2 expression in KNRK (**A**) and LADMAC (**B**) whole cell Ivsates.

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.



Try **Neuralized-2 (A-11):** sc-398195, our highly recommended monoclonal alternative to Neuralized-2 (N-13).