

Neutralized-2 (J-24): sc-133814

BACKGROUND

Neutralized-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, Neutralized-2 localizes to the tips of differentiating myofibers and regulates ubiquitination and degradation of β -catenin at the sarcolemma. Neutralized-2 contains one SOCS box domain, through which it interacts with Elongin B and Elongin C, and one NHR (neutralized homology repeat) domain that is implicated in ubiquitination substrate binding. The gene encoding Neutralized-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

Neutralized-2 (J-24) is an affinity purified rabbit polyclonal antibody raised against synthetic Neutralized-2 peptide of human origin.

PRODUCT

Each vial contains 50 μ g IgG in 500 μ l PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

Neutralized-2 (J-24) is recommended for detection of Neutralized-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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

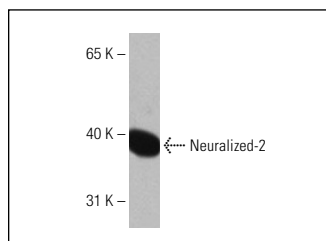
Suitable for use as control antibody for Neutralized-2 siRNA (h): sc-75905, Neutralized-2 shRNA Plasmid (h): sc-75905-SH and Neutralized-2 shRNA (h) Lentiviral Particles: sc-75905-V.

Molecular Weight of Neutralized-2: 31 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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



Neutralized-2 (J-24): sc-133814. Western blot analysis of Neutralized-2 expression in human fetal muscle tissue extract.

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.



Try **Neutralized-2 (A-11): sc-398195**, our highly recommended monoclonal alternative to Neutralized-2 (J-24).