

β-taxilin (C-19): sc-47457

BACKGROUND

β-taxilin, also called MDP77, promotes nerve regeneration and may be involved in intracellular vesicle transport. Expressed predominantly in cardiac and skeletal muscle, β-taxilin binds to the coiled coil region of the syntaxin family members STX1A, STX3A and STX4A. β- and γ-taxilins, bind to the α subunit of the nascent polypeptide-associated complex (NAC) and affect its nuclear distribution, suggesting that the taxilin family is involved not only in the translational process through its interaction with NAC but also in the transcriptional process through its interaction with αNAC alone.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Mdp77 (mouse) mapping to 10 A2.

SOURCE

β-taxilin (C-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of β-taxilin of mouse 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-47457 P, (100 μg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

β-taxilin (C-19) is recommended for detection of β-taxilin of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μg per 100-500 μg 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 β-taxilin siRNA (m): sc-61653, β-taxilin shRNA Plasmid (m): sc-61653-SH and β-taxilin shRNA (m) Lentiviral Particles: sc-61653-V.

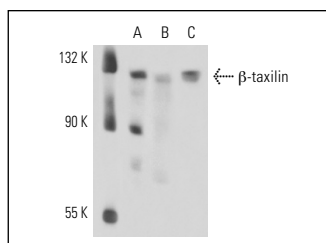
Molecular Weight of β-taxilin: 120 kDa.

Positive Controls: Sol8 nuclear extract: sc-2157, Sol8 whole cell lysate: sc-2249 or rat skeletal muscle tissue: sc-364810.

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 Blotting 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



β-taxilin (C-19): sc-47457. Western blot analysis of β-taxilin expression in Sol8 nuclear extract (A), Sol8 whole cell lysate (B) and rat skeletal muscle tissue extract (C).

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.