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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

SANTA CRUZ BIOTECHNOLOGY, INC.

β-taxilin (h3): 293T Lysate: sc-129920

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: TXLNB (human) mapping to 6q24.1.

PRODUCT

β-taxilin (h3): 293T Lysate represents a lysate of human β-taxilin transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

β-taxilin (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive β-taxilin antibodies. Recommended use: 10-20 µl per lane.

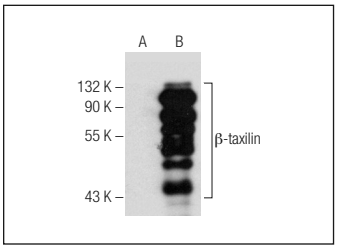
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

β-taxilin (A-5): sc-377287 is recommended as a positive control antibody for Western Blot analysis of enhanced human β-taxilin expression in β-taxilin transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

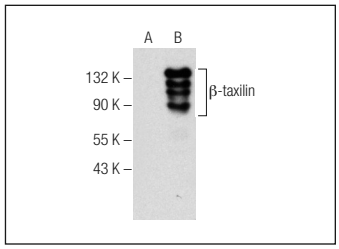
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



β-taxilin (A-5): sc-377287. Western blot analysis of β-taxilin expression in non-transfected: sc-117752 (**A**) and human β-taxilin transfected: sc-129920 (**B**) 293T whole cell lysates.



β-taxilin (A-5): sc-377287. Western blot analysis of β-taxilin expression in non-transfected: sc-117752 (**A**) and human β-taxilin transfected: sc-129920 (**B**) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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 for detailed protocols and support products.