

Endophilin B1 (m): 293T Lysate: sc-120038

BACKGROUND

The endophilins comprise a family of proteins that associate with amphiphysin, synaptojanin and dynamin and are implicated in presynaptic vesicle trafficking at nerve terminals. The expression patterns of the endophilins are consistent with their cellular functions at the neuronal synapse. Endophilin B1 is a member of the B subgroup of the endophilin family that is required for maintenance of mitochondrial morphology and for the regulation of the outer mitochondrial membrane dynamics. The N-terminal domain of Endophilin B1 shares highest similarity with the lipid-binding and -modifying (LBM) domain of class A endophilins. The Endophilin B1 gene encodes at least three splice variants: Endophilin B1a, which shows a widespread tissue distribution, and Endophilin B1b and B1c, which appear to be brain-specific.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Sh3glb1 (mouse) mapping to 3 H2.

PRODUCT

Endophilin B1 (m): 293T Lysate represents a lysate of mouse Endophilin B1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

Endophilin B1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Endophilin B1 antibodies. Recommended use: 10-20 µl per lane.

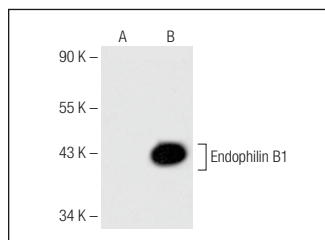
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Endophilin B1 (G-6): sc-374146 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Endophilin B1 expression in Endophilin B1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

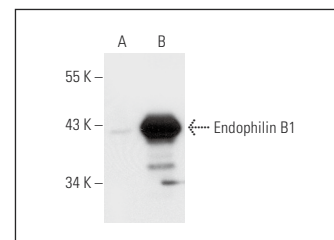
RECOMMENDED SUPPORT REAGENTS

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



Endophilin B1 (G-6): sc-374146. Western blot analysis of Endophilin B1 expression in non-transfected: sc-117752 (A) and mouse Endophilin B1 transfected: sc-120038 (B) 293T whole cell lysates.



Endophilin B1 (30A882): sc-52924. Western blot analysis of Endophilin B1 expression in non-transfected: sc-117752 (A) and mouse Endophilin B1 transfected: sc-120038 (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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.