

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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NPDC-1 (m): 293T Lysate: sc-127238



The Power to Question

BACKGROUND

NPDC-1 (neural proliferation differentiation and control-1) is expressed in neurons once they have stopped dividing and begun to differentiate. NPDC-1 is transported from the Golgi apparatus via vesicles before becoming internalized by endosomes at the cell membrane. NPDC-1 interacts with Cdk2, D-type cyclins, and the transcription factor E2F1. This interaction can lead to an increased replication time and might have implications in final neural differentiation and apoptosis. NPDC-1 has been shown to co-localize with synaptic vesicle proteins: synaptophysin, synaptobrevin 2 and Rab3 GEP (Rab3 GTP/GDP exchange protein). One function of NPDC-1 is to regulate retinoic acid-mediated events by directly interacting with retinoid receptors. The amino acid sequence of NPDC-1 is highly conserved between mouse, rat and human.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: Npdc1 (mouse) mapping to 2 A3.

PRODUCT

NPDC-1 (m): 293T Lysate represents a lysate of mouse NPDC-1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

NPDC-1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive NPDC-1 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.

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.

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