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Septin 11 (h): 293T Lysate: sc-116662

BACKGROUND

Septins are members of a conserved family of cytoskeletal GTPases, specifically belonging to the large superclass of P-loop GTPases. Septin proteins form homo- and hetero-oligomeric polymers that accumulate into higher-order filaments which may function as dynamic protein scaffolds. Septins play an important role in vesicle trafficking, apoptosis, cytoskeleton remodeling, infection, neurodegeneration, neoplasia and cytokinesis. Septin 11 is mainly present in brain tissue. It has been found to dominantly co-localize with microtubules and Actin stress fibers in HMEC cells and REF52 cells, and to partially co-localize with microtubules and stress fibers in HeLa cells. SEPT11 (the gene encoding Septin 11) is confined to the same tissues as those that express SEPT5, suggesting that SEPT11 and SEPT5 are components of a cell-specific Septin complex.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SEPT11 (human) mapping to 4q21.1.

PRODUCT

Septin 11 (h): 293T Lysate represents a lysate of human Septin 11 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

Septin 11 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Septin 11 antibodies. Recommended use: 10-20 µl per lane.

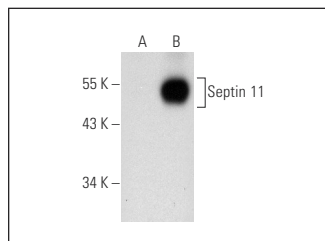
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Septin (E-4): sc-271670 is recommended as a positive control antibody for Western Blot analysis of enhanced human Septin 11 expression in Septin 11 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



Septin (E-4): sc-271670. Western blot analysis of Septin 11 expression in non-transfected: sc-117752 (A) and human Septin 11 transfected: sc-116662 (B) 293T whole cell lysates.

PROTOCOLS

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