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cytohesin-1 (m): 293T Lysate: sc-125210

BACKGROUND

Cytohesin-1 is an ARF guanine nucleotide exchange factor (GEF). Cytohesin-1 contains a phospholipid-binding C-terminal pleckstrin homology (PH) domain, a central Sec7 domain and an N-terminal coiled-coil region. The PH domain binds to phosphatidylinositol 3,4,5-triphosphate (PtdIns-3,4,5-P₃), a phosphatidylinositol 3-kinase (PI-3-kinase) metabolite. The Sec7 domain is responsible for GDP/GTP exchange activity and brefeldin A inhibition. Cytohesin-1 catalyzes *in vitro* nucleotide exchange on ARF1 and ARF3, but it has no effect on ARF6. Additionally, cytohesin-1 is a regulatory factor for the α L β 2 Integrin in lymphocytes. Through interaction with integrins, cytohesin-1 may participate in inside-out cell signaling.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Pscd1 (mouse) mapping to 11 E2.

PRODUCT

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

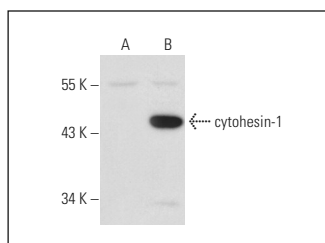
APPLICATIONS

cytohesin-1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive cytohesin-1 antibodies. Recommended use: 10-20 μ l per lane.

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

cytohesin-1 (CYT1-82): sc-59491 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse cytohesin-1 expression in cytohesin-1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



cytohesin-1 (CYT1-82): sc-59491. Western blot analysis of cytohesin-1 expression in non-transfected: sc-117752 (A) and mouse cytohesin-1 transfected: sc-125210 (B) 293T whole cell lysates.

PROTOCOLS

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