

Exo84 (N-13): sc-160320

BACKGROUND

Exocytosis is crucial in membrane trafficking and it mediates hormone and neurotransmitter secretion out of the cell, as well as the incorporation of membrane proteins and lipids to the plasma membrane. It is crucial for cell-cell communication, cell growth and cell polarity. The exocyst complex is a multi-protein complex that consists of Sec3, Sec5, Sec6, Sec8, Sec10, Sec15, Exo70 and Exo84, and is essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. The exocyst complex inhibits tubulin polymerization *in vitro*, suggesting that the exocyst complex is important for modulating the microtubule dynamics that underlie exocytosis. Exo84 (Exocyst complex 84 kDa subunit), also known as Exocyst complex component 8, is a 725 amino acid protein that is one of eight protein subunits composing the mammalian exocyst complex. Both Exo84 and Sec5 are effector targets for active Ral GTPases, which are responsible for regulating exocyst complex activities.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: EXOC8 (human) mapping to 1q42.2; Exoc8 (mouse) mapping to 8 E2.

SOURCE

Exo84 (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of Exo84 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-160320 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Exo84 (N-13) is recommended for detection of Exo84 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other Exo family members.

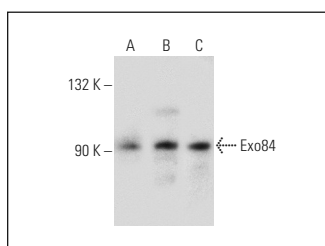
Exo84 (N-13) is also recommended for detection of Exo84 in additional species, including avian.

Suitable for use as control antibody for Exo84 siRNA (h): sc-88154, Exo84 siRNA (m): sc-144970, Exo84 shRNA Plasmid (h): sc-88154-SH, Exo84 shRNA Plasmid (m): sc-144970-SH, Exo84 shRNA (h) Lentiviral Particles: sc-88154-V and Exo84 shRNA (m) Lentiviral Particles: sc-144970-V.

Molecular Weight of Exo84: 84 kDa.

Positive Controls: LADMAC whole cell lysate: sc-364189, KNRK whole cell lysate: sc-2214 or mouse thymus extract: sc-2406.

DATA



Exo84 (N-13): sc-160320. Western blot analysis of Exo84 expression in mouse thymus tissue extract (A), LADMAC (B) and KNRK (C) whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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

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Try **Exo84 (H-1): sc-515532**, our highly recommended monoclonal alternative to Exo84 (N-13).