

ExoC3L2 (N-14): sc-136671

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. ExoC3L2 (Exocyst complex component 3-like protein 2), also known as HBV X-transactivated gene 7 protein, is a 409 amino acid protein that is related to the Sec6 component of the exocyst complex.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: EXOC3L2 (human) mapping to 19q13.32.

RESEARCH USE

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

SOURCE

ExoC3L2 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of ExoC3L2 of human origin.

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-136671 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ExoC3L2 (N-14) is recommended for detection of ExoC3L2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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 ExoC3L.

ExoC3L2 (N-14) is also recommended for detection of ExoC3L2 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for ExoC3L2 siRNA (h): sc-97124, ExoC3L2 shRNA Plasmid (h): sc-97124-SH and ExoC3L2 shRNA (h) Lentiviral Particles: sc-97124-V.

Molecular Weight of (predicted) ExoC3L2: 46 kDa.

Molecular Weight of (observed) ExoC3L2: 65 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

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

PROTOCOLS

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



Try **ExoC3L2 (H-5): sc-393332**, our highly recommended monoclonal alternative to ExoC3L2 (N-14).