

ExoC3L2 (V-13): sc-136672

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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3. Hsu, S.C., et al. 1999. Targeting vesicles to specific sites on the plasma membrane: the role of the Sec6/8 complex. *Trends Cell Biol.* 9: 150-153.
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5. Gerhard, D.S., et al. 2004. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). *Genome Res.* 14: 2121-2127.
6. Ota, T., et al. 2004. Complete sequencing and characterization of 21,243 full-length human cDNAs. *Nat. Genet.* 36: 40-45.
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8. He, B., et al. 2009. The exocyst complex in polarized exocytosis. *Curr. Opin. Cell Biol.* 21: 537-542.
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CHROMOSOMAL LOCATION

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

SOURCE

ExoC3L2 (V-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ExoC3L2 of human origin.

RESEARCH USE

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

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-136672 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ExoC3L2 (V-13) is recommended for detection of ExoC3L2 of 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 ExoC3L .

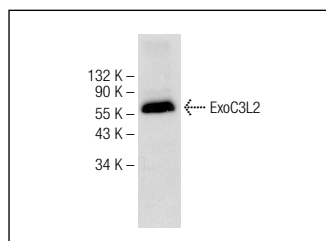
ExoC3L2 (V-13) is also recommended for detection of ExoC3L2 in additional species, including bovine.

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 (predicted) of ExoC3L2: 46 kDa.

Molecular Weight (observed) of ExoC3L2: 65 kDa.

DATA



ExoC3L2 (V-13): sc-136672. Western blot analysis of ExoC3L2 expression in mouse liver tissue extract.

SELECT PRODUCT CITATIONS

1. Barkefors, I., et al. 2011. Exocyst complex component 3-like 2 (EXOC3L2) associates with the exocyst complex and mediates directional migration of endothelial cells. *J. Biol. Chem.* 286: 24189-24199.

STORAGE

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

MONOS
Satisfaction
Guaranteed

Try **ExoC3L2 (H-5): sc-393332**, our highly recommended monoclonal alternative to ExoC3L2 (V-13).