



REP15 (m): 293T Lysate: sc-123068

BACKGROUND

REP15 (rab15 effector protein) is a 236 amino acid protein that localizes to early endosome membrane. REP15 is a binding partner of a RAB GTPase family member, RAB15, that facilitates transferrin receptor recycling from the endocytic recycling compartment. REP15 interaction with RAB15 may require multiple binding sites or a structural motif requiring full-length REP15. REP15 co-localizes with RAB15 and RAB11 on recycling endosomes, but not with RAB15, RAB4 or EEA1 on early endosomes. Although REP15 does not interact with RAB11, the two proteins have similar functions; both regulate vesicular trafficking from recycling endosomes to the plasma membrane. The REP15 gene is conserved in chimpanzee, bovine, mouse and rat, and maps to human chromosome 12p11.22.

REFERENCES

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7. SWISS-PROT/TrEMBL (Q6BDI9). World Wide Web URL: <http://www.uniprot.org/uniprot/Q6BDI9>

CHROMOSOMAL LOCATION

Genetic locus: Rep15 (mouse) mapping to 6 G3.

PRODUCT

REP15 (m): 293T Lysate represents a lysate of mouse REP15 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

REP15 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive REP15 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.

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.

PROTOCOLS

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