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CHMP7 (m2): 293T Lysate: sc-119242

BACKGROUND

The charged multivesicular body proteins or chromatin modifying proteins, commonly designated CHMPs, belong to the vacuolar sorting protein family and function as chromatin-modifying proteins. CHMP1-6 are all components of ESCRT (endosomal sorting complex required for transport)-I, -II or -III complexes. These complexes are crucial for sorting endosomal articles into multivesicular bodies (MVBs), as well as required for the formation of these bodies. CHMP7 is an ESCRT-III-related protein that associates with CHMP4B. CHMP7 contains an SNF7 domain in the C-terminus and is most similar to CHMP6. CHMP7 also binds to the microtubule interacting and transport (MIT) domain of the deubiquitinating enzyme, UBPY. The overexpression of CHMP7 inhibits EGFR degradation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Chmp7 (mouse) mapping to 14 D2.

PRODUCT

CHMP7 (m2): 293T Lysate represents a lysate of mouse CHMP7 transfected 293T cells and is provided as 100 µg protein in 200 µl 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

CHMP7 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive CHMP7 antibodies. Recommended use: 10-20 µl per lane.

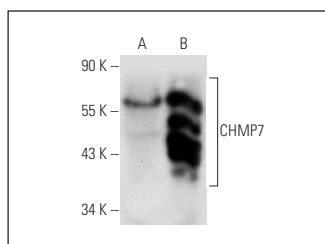
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CHMP7 (F-8): sc-271805 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse CHMP7 expression in CHMP7 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



CHMP7 (F-8): sc-271805. Western blot analysis of CHMP7 expression in non-transfected: sc-117752 (A) and mouse CHMP7 transfected: sc-119242 (B) 293T whole cell lysates.

PROTOCOLS

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