SANTA CRUZ BIOTECHNOLOGY, INC.

β-TrCP (m): 293T Lysate: sc-124272

BACKGROUND

β-TrCP (β-tranducin repeats containing protein), also designated E3RSIκB or FWD1, and HOS (homologous to Slimb) are F-box proteins that function as substrate recognition subunits of ubiquitin ligases. HOS and β-TrCP differ in their amino-terminal regions, but exhibit high homology within the F-box and WD40 repeat-containing regions. β-TrCP mediates ubiquitin/proteasome-dependent degradation of CD4 and ubiquitination of various proteins including IκB and β-catenin. HOS has also been shown to regulate the degradation of IκB and β-catenin in a similar manner.

REFERENCES

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2. Margottin, F., Bour, S.P., Durand, H., Selig, L., Benichou, S., Richard, V., Thomas, D., Strebel, K. and Benarous, R. 1998. A novel human WD protein, β-TrCP, that interacts with HIV-1 Vpu connects CD4 to the ER degradation pathway through an F-box motif. Mol. Cell 1: 565-574.
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5. Fuchs, S.Y., Chen, A., Xiong, Y., Pan, Z.Q. and Ronai, Z. 1999. HOS, a human homolog of Slimb, forms an SCF complex with Skp1 and Cullin1 and targets the phosphorylation-dependent degradation of IκB β-catenin. Oncogene 18: 2039-2046.

CHROMOSOMAL LOCATION

Genetic locus: Btrc (mouse) mapping to 19 C3.

PRODUCT

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

APPLICATIONS

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