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β -TrCP (m): 293T Lysate: sc-124272

BACKGROUND

β -TrCP (β -transducin repeats containing protein), also designated E3RS κ B 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 κ B and β -catenin. HOS has also been shown to regulate the degradation of κ B and β -catenin in a similar manner.

REFERENCES

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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 κ B 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 μ g protein in 200 μ l 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 μ l 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.