

β-TrCP/HOS (E-20): sc-9599

BACKGROUND

β-TrCP (β-transducin 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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- 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 and β-catenin. *Oncogene* 18: 2039-2046.

CHROMOSOMAL LOCATION

Genetic locus: BTRC (human) mapping to 10q24.32, FBXW11 (human) mapping to 5q35.1; Btrc (mouse) mapping to 19 C3, Fbxw11 (mouse) mapping to 11 A4.

SOURCE

β-TrCP/HOS (E-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of HOS of human origin.

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-9599 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

β-TrCP/HOS (E-20) is recommended for detection of HOS and β-TrCP of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

β-TrCP/HOS (E-20) is also recommended for detection of HOS and β-TrCP in additional species, including equine, canine, bovine, porcine and avian.

Molecular Weight of β-TrCP/HOS: 60 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

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

PROTOCOLS

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



Try **β-TrCP/HOS (F-10): sc-166492** or **β-TrCP (C-6): sc-390629**, our highly recommended monoclonal alternatives to β-TrCP/HOS (E-20).