**BACKGROUND**

β-TrCP (β-tranducin repeats containing protein), also designated E3RSIKb 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**


**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 (C-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of β-TrCP 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-8863 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**APPLICATIONS**

β-TrCP/HOS (C-18) is recommended for detection of β-TrCP and HOS of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (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 (C-18) is also recommended for detection of β-TrCP and HOS in additional species, including equine, canine, bovine, porcine and avian.

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

Positive Controls: HOS (h): 293T Lysate: sc-113730 or HeLa whole cell lysate: sc-2200.

**STORAGE**

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

**DATA**

β-TrCP/HOS (C-18): sc-8863. Western blot analysis of HOS expression in non-transfected: sc-117752 (A) and human HOS transfected: sc-113730 (B) 293T whole cell lysates.

β-TrCP/HOS (C-18): sc-8863. Immunoperoxidase staining of formalin fixed, paraffin-embedded human upper stomach tissue showing cytoplasmic and membrane staining of glandular cells.

**SELECT PRODUCT CITATIONS**


**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.

**MONOS**

Try β-TrCP/HOS (F-10): sc-166492 or β-TrCP (C-6): sc-390629, our highly recommended monoclonal alternatives to β-TrCP/HOS (C-18).