SANTA CRUZ BIOTECHNOLOGY, INC.

FBXW10 (T-14): sc-164383

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein) type E3 ubiquitin ligase complex and are involved in substrate recognition and recruitment for ubiquitination. They are members of a larger family of proteins that are involved in the regulation of a wide variety of cellular processes, including the cell cycle, immune responses, signaling cascades and developmental events, through the targeting of proteins, such as cyclins, cyclin-dependent kinase inhibitors, IκB-α and β-catenin, for proteasomal degradation. FBXW10 (F-box and WD repeat domain containing 10), also known as protein Ubiquitin ligase-specificity factor, is a 1,052 amino acid protein that contains one F-box domain and seven WD repeats. Existing as four alternatively spliced isoforms, FBXW10 induces degradation of CBX5 and CBX1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FBXW10 (human) mapping to 17p11.2; Fbxw10 (mouse) mapping to 11 B2.

SOURCE

FBXW10 (T-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of FBXW10 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-164383 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FBXW10 (T-14) is recommended for detection of FBXW10 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other FBXW family members.

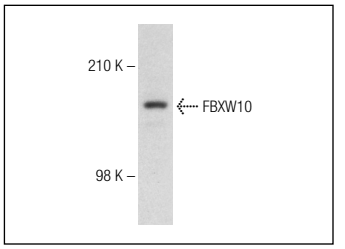
FBXW10 (T-14) is also recommended for detection of FBXW10 in additional species, including equine.

Suitable for use as control antibody for FBXW10 siRNA (h): sc-93681, FBXW10 siRNA (m): sc-145136, FBXW10 shRNA Plasmid (h): sc-93681-SH, FBXW10 shRNA Plasmid (m): sc-145136-SH, FBXW10 shRNA (h) Lentiviral Particles: sc-93681-V and FBXW10 shRNA (m) Lentiviral Particles: sc-145136-V.

Molecular Weight of FBXW10: 120/114 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

DATA



FBXW10 (T-14): sc-164383. Western blot analysis of FBXW10 expression in Jurkat whole cell lysate.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. 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.