

FBXO10 (N-15): sc-162826

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, I κ B- α and β -catenin, for proteasomal degradation. FBXO10 (F-box protein 10), also known as FBX10 or PRMT11, is a 956 amino acid protein that contains one F-box domain and 17 PbH1 repeats. Functioning as a component of the SCF complex, FBXO10 is thought to recognize and bind to select phosphorylated proteins, thereby promoting their ubiquitination and subsequent degradation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FBXO10 (human) mapping to 9p13.2; Fbxo10 (mouse) mapping to 4 B1.

SOURCE

FBXO10 (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of FBXO10 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-162826 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FBXO10 (N-15) is recommended for detection of FBXO10 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 FBXO family members.

FBXO10 (N-15) is also recommended for detection of FBXO10 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FBXO10 siRNA (h): sc-92939, FBXO10 siRNA (m): sc-145101, FBXO10 shRNA Plasmid (h): sc-92939-SH, FBXO10 shRNA Plasmid (m): sc-145101-SH, FBXO10 shRNA (h) Lentiviral Particles: sc-92939-V and FBXO10 shRNA (m) Lentiviral Particles: sc-145101-V.

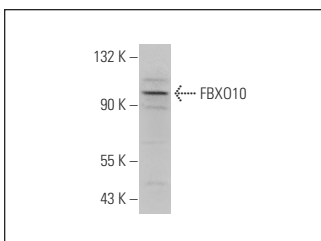
Molecular Weight of FBXO10: 105 kDa.

Positive Controls: HEK293 whole cell lysate: sc-45136.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



FBXO10 (N-15): sc-162826. Western blot analysis of FBXO10 expression in HEK293 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.