



FBXO15 (Y-20): sc-84824

BACKGROUND

FBXO15 (F-box only protein 15), also known as FBX15, is a 434 amino acid protein that contains one C-terminal F-box domain and belongs to the F-box family of proteins. F-box proteins are critical components of the SCF (Skp1-CUL1-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 response, signaling cascades and developmental processes) through the targeting of proteins, such as cyclins, cyclin-dependent kinase inhibitors, I κ B- α and β -catenin, for degradation by the proteasome after ubiquitination. Via its F-box domain, FBXO15 can directly interact with Skp1 p19 and CUL-1. In addition, FBXO15 is a target of the transcription factor Oct-3/4, however, it does not appear to be essential for early development and fertility.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FBXO15 (human) mapping to 18q22.3.

STORAGE

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

SOURCE

FBXO15 (Y-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of FBXO15 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-84824 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FBXO15 (Y-20) is recommended for detection of FBXO15 of 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); non cross-reactive with FBXO2 and FBXO8.

Suitable for use as control antibody for FBXO15 siRNA (h): sc-75007, FBXO15 shRNA Plasmid (h): sc-75007-SH and FBXO15 shRNA (h) Lentiviral Particles: sc-75007-V.

Molecular Weight of FBXO15: 55 kDa.

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.

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.