

FBXO15 (L-17): sc-84823

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-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 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; Fbxo15 (mouse) mapping to 18 E4.

RESEARCH USE

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

SOURCE

FBXO15 (L-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region 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-84823 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

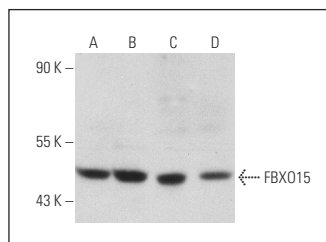
FBXO15 (L-17) is recommended for detection of FBXO15 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with FBXO2 and FBXO8.

Suitable for use as control antibody for FBXO15 siRNA (h): sc-75007, FBXO15 siRNA (m): sc-145105, FBXO15 shRNA Plasmid (h): sc-75007-SH, FBXO15 shRNA Plasmid (m): sc-145105-SH, FBXO15 shRNA (h) Lentiviral Particles: sc-75007-V and FBXO15 shRNA (m) Lentiviral Particles: sc-145105-V.

Molecular Weight of FBXO15: 55 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, ES-2 cell lysate: sc-24674 or NTERA-2 cl.D1 whole cell lysate: sc-364181.

DATA



FBXO15 (L-17): sc-84823. Western blot analysis of FBXO15 expression in NTERA-2 cl.D1 (A), HeLa (B), ES-2 (C) and OV-90 (D) whole cell lysates.

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.