



FBXO17 (I-16): sc-101872

BACKGROUND

F-box (FBX) 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. FBXs 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. FBXO17 (F-box only protein 17), also known as FBG4, FBX17, FBX26 or FBXO26, is a 278 amino acid protein that contains one F-box domain and one F-box associated domain. Expressed in kidney, heart, liver, skeletal muscle, brain and spleen, FBXO17 functions as a substrate-recognition component of the SCF complex and directly interacts with Skp1 p19 and CUL-1. Multiple isoforms of FBXO17 exist due to alternative splicing events.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: FBXO17 (human) mapping to 19q13.2; Fbxo17 (mouse) mapping to 7 A3.

SOURCE

FBXO17 (I-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of FBXO17 of human origin.

PRODUCT

Each vial contains 100 μ g IgG in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

FBXO17 (I-16) is recommended for detection of FBXO17 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for FBXO17 siRNA (h): sc-97555, FBXO17 siRNA (m): sc-145107, FBXO17 shRNA Plasmid (h): sc-97555-SH, FBXO17 shRNA Plasmid (m): sc-145107-SH, FBXO17 shRNA (h) Lentiviral Particles: sc-97555-V and FBXO17 shRNA (m) Lentiviral Particles: sc-145107-V.

Molecular Weight of FBXO17: 31 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.