

FBXO29 (T-15): sc-167864

BACKGROUND

FBXO29 (F-box only protein 29), also designated F-box/WD repeat-containing protein 8 (FBXW8), is a 598 amino acid protein that contains one 40 amino acid F-box region, making it a member of the F-box family. FBXO29 also contains five WD repeats. 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. F-box proteins are members of a large family that regulates cell cycle, immune response, signaling cascades and developmental programs by targeting proteins, such as cyclins, cyclin-dependent kinase inhibitors, I κ B- α and β -catenin, for degradation by the proteasome after ubiquitination. Functioning as a component of the SCF complex, FBXO29 is thought to recognize and bind to select phosphorylated proteins, thereby promoting their ubiquitination and subsequent degradation. FBXO29 exists as two isoforms as a result of alternative splicing events.

CHROMOSOMAL LOCATION

Genetic locus: FBXW8 (human) mapping to 12q24.22; Fbxw8 (mouse) mapping to 5 F.

SOURCE

FBXO29 (T-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FBXO29 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-167864 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

FBXO29 (T-15) is recommended for detection of FBXO29 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.

FBXO29 (T-15) is also recommended for detection of FBXO29 in additional species, including equine and porcine.

Suitable for use as control antibody for FBXO29 siRNA (h): sc-95763, FBXO29 siRNA (m): sc-145115, FBXO29 shRNA Plasmid (h): sc-95763-SH, FBXO29 shRNA Plasmid (m): sc-145115-SH, FBXO29 shRNA (h) Lentiviral Particles: sc-95763-V and FBXO29 shRNA (m) Lentiviral Particles: sc-145115-V.

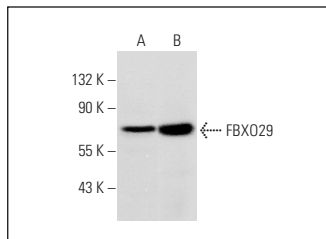
Molecular Weight of FBXO29 isoforms: 67/61 kDa.

Positive Controls: mouse liver extract: sc-2256 or mouse skeletal muscle extract: sc-364250.

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



FBXO29 (T-15): sc-167864. Western blot analysis of FBXO29 expression in mouse liver (A) and mouse skeletal muscle (B) tissue extracts.

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.


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Try **FBXO29 (D-7): sc-514385**, our highly recommended monoclonal alternative to FBXO29 (T-15).