

FBXO28 (H-300): sc-134723

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. FBXO28 (F-box protein 28), also known as FBX28, is a 368 amino acid protein that contains one F-box domain and belongs to the F-box protein family. The gene encoding FBXO28 maps to human chromosome 1, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

CHROMOSOMAL LOCATION

Genetic locus: FBXO28 (human) mapping to 1q42.11; Fbxo28 (mouse) mapping to 1 H5.

SOURCE

FBXO28 (H-300) is a rabbit polyclonal antibody raised against amino acids 69-368 mapping at the C-terminus of FBXO28 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.

RESEARCH USE

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

APPLICATIONS

FBXO28 (H-300) is recommended for detection of FBXO28 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).

FBXO28 (H-300) is also recommended for detection of FBXO28 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for FBXO28 siRNA (h): sc-88135, FBXO28 siRNA (m): sc-145114, FBXO28 shRNA Plasmid (h): sc-88135-SH, FBXO28 shRNA Plasmid (m): sc-145114-SH, FBXO28 shRNA (h) Lentiviral Particles: sc-88135-V and FBXO28 shRNA (m) Lentiviral Particles: sc-145114-V.

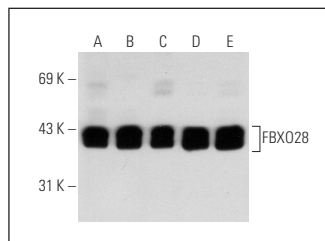
Molecular Weight of FBXO28: 41 kDa.

Positive Controls: T24 cell lysate: sc-2292, Jurkat whole cell lysate: sc-2204 or HeLa whole cell lysate: sc-2200.

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. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



FBXO28 (H-300): sc-134723. Western blot analysis of FBXO28 expression in T24 (A), Jurkat (B), COLO 320DM (C), SK-N-MC (D) and HeLa (E) 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.



Try **FBXO28 (C-8): sc-376851**, our highly recommended monoclonal alternative to FBXO28 (H-300).