FBL6 (E-16): sc-54500



The Power to Question

BACKGROUND

FBL6 is a 539 amino acid protein encoded by the human gene FBXL6. FBL6 contains one 40 amino acid F-box region, making it a member of the F-box family. FBL6 also contains three LRR (leucine-rich) 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, $l_{\rm K}B$ - α and β -catenin, for degradation by the proteasome after ubiquitination. Localized near the nucleus in the cytoplasm, FBL6 is ubiquitously expressed and believed to directly interact with Skp1 p19 and CUL-1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FBXL6 (human) mapping to 8q24.3; Fbxl6 (mouse) mapping to 15 $\rm D3$.

SOURCE

FBL6 (E-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FBL6 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-54500 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FBL6 (E-16) is recommended for detection of FBL6 of mouse, rat and 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).

FBL6 (E-16) is also recommended for detection of FBL6 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FBL6 siRNA (h): sc-62304, FBL6 siRNA (m): sc-62305, FBL6 shRNA Plasmid (h): sc-62304-SH, FBL6 shRNA Plasmid (m): sc-62305-SH, FBL6 shRNA (h) Lentiviral Particles: sc-62304-V and FBL6 shRNA (m) Lentiviral Particles: sc-62305-V.

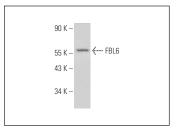
Molecular Weight of FBL6: 59 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

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) with UltraCruz™ Mounting Medium: sc-24941.

DATA



FBL6 (E-16): sc-54500. Western blot analysis of FBL6 expression in HeLa whole cell lysate.

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.

PROTOCOLS

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

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