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FBXO25 (h): 293T Lysate: sc-116139

BACKGROUND

FBXO25 (F-box only protein 25), also known as FBX25, is a 367 amino acid protein that contains one C-terminal F-box domain and belongs to the FBX class of 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. Expressed at high levels in brain, FBXO25 localizes predominantly to the nucleus and directly interacts with Skp1 p19 and CUL-1. Disruption of the gene encoding FBXO25 can lead to X-linked mental retardation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FBXO25 (human) mapping to 8p23.3.

PRODUCT

FBXO25 (h): 293T Lysate represents a lysate of human FBXO25 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

FBXO25 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive FBXO25 antibodies. Recommended use: 10-20 μ l per lane.

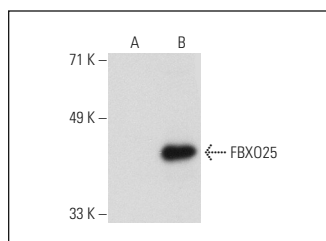
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FBXO25 (F9-3): sc-100735 is recommended as a positive control antibody for Western Blot analysis of enhanced human FBXO25 expression in FBXO25 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker[™] Molecular Weight Standards: sc-2035, UltraCruz[®] Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



FBXO25 (F9-3): sc-100735. Western blot analysis of FBXO25 expression in non-transfected: sc-117752 (A) and human FBXO25 transfected: sc-116139 (B) 293T whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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