SANTA CRUZ BIOTECHNOLOGY, INC.

FBXO7 (m): 293T Lysate: sc-120221

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The Power to Question

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, IκB-α and β-catenin, for proteasomal degradation. FBXO7 (F-box protein 7), also known as FBX, FBX7 or PKPS, is a 522 amino acid protein that contains one F-box domain and functions as a component of the SCF complex. Defects in the gene encoding FBXO7 are associated with parkinsonian-pyramidal syndrome (PKPS), a hypokinetic rigid disorder that exhibits Parkinsonian and pyramidal-associated symptoms.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Fbxo7 (mouse) mapping to 10 C1.

PRODUCT

FBXO7 (m): 293T Lysate represents a lysate of mouse FBXO7 transfected 293T cells and is provided as 100 µg protein in 200 µl 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

FBXO7 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive FBXO7 antibodies. Recommended use: 10-20 µl per lane.

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

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.