SANTA CRUZ BIOTECHNOLOGY, INC.

PQBP-1 (m): 293T Lysate: sc-122739

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Polyglutamine(Q) tract binding protein-1 (PQBP-1) is a transcription repressor that associates with polyglutamine tract-containing transcription regulators and causative genes for neurodegenerative disorders. Hepta- and di-amino acid repeat sequences rich in polar residues are essential for PQBP-1 to interact with polyglutamine tract-containing proteins (i.e. huntingtin, androgen receptor and brain-2). PQBP-1 contains a WWP/WW domain that binds proline-rich motifs and a C2 domain that can influence Ca^{2+}-dependent phospholipid signaling. PQBP-1 localizes to the nucleus and is present in neurons throughout the brain, with abundant levels in hippocampus, cerebellar cortex and olfactory bulb. The human PQBP-1 gene maps to chromosome Xp11.23.

REFERENCES

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5. Iwamoto, K., Huang, Y. and Ueda, S. 2000. Genomic organization and alternative transcripts of the human PQBP-1 gene. Gene 259: 69-73.
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CHROMOSOMAL LOCATION

Genetic locus: Pqbp1 (mouse) mapping to X A1.1.

PRODUCT

PQBP-1 (m): 293T Lysate represents a lysate of mouse PQBP-1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

PQBP-1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PQBP-1 antibodies. Recommended use: 10-20 µl per lane.

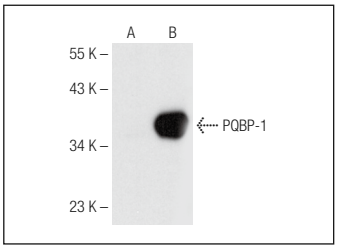
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PQBP-1 (B-9): sc-374260 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse PQBP-1 expression in PQBP-1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

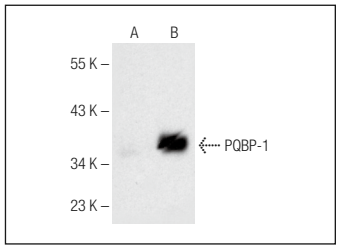
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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



PQBP-1 (B-9): sc-374260. Western blot analysis of PQBP-1 expression in non-transfected: sc-117752 (**A**) and mouse PQBP-1 transfected: sc-122739 (**B**) 293T whole cell lysates.



PQBP-1 (G-12): sc-376039. Western blot analysis of PQBP-1 expression in non-transfected: sc-117752 (**A**) and mouse PQBP-1 transfected: sc-122739 (**B**) 293T whole cell lysates.

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.

PROTOCOLS

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