



PARP-2 (m): 293T Lysate: sc-122386

BACKGROUND

Poly(ADP-ribose) polymerase-2 (PARP-2) is part of the base excision repair (BER) pathway, catalyzing the poly(ADP-ribosylation) of nuclear proteins. Poly(ADP-ribosylation), a posttranslational modification following DNA damage, appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. PARP-2 is a nuclear, DNA-binding protein that interacts with PARP-1. PARP-2 is present in actively dividing tissues, with highest levels in the kidney, skeletal muscle, liver, heart and spleen. Human PARP-2 maps to chromosome 14q11.2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Parp2 (mouse) mapping to 14 C1.

PRODUCT

PARP-2 (m): 293T Lysate represents a lysate of mouse PARP-2 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.

RESEARCH USE

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

APPLICATIONS

PARP-2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive PARP-2 antibodies.

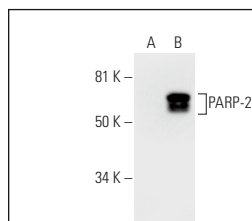
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PARP-2 (F-3): sc-393310 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse PARP-2 expression in PARP-2 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

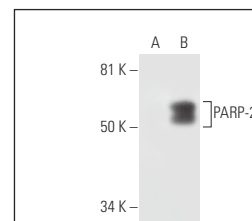
RECOMMENDED SUPPORT REAGENTS

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



PARP-2 (F-3): sc-393310. Western blot analysis of PARP-2 expression in non-transfected: sc-117752 (A) and mouse PARP-2 transfected: sc-122386 (B) 293T whole cell lysates.



PARP-2 (F-8): sc-393343. Western blot analysis of PARP-2 expression in non-transfected: sc-117752 (A) and mouse PARP-2 transfected: sc-122386 (B) 293T whole cell lysates.

PROTOCOLS

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