
Anti-PARP

Cat #: HM1277
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

PARP (poly (ADP-ribosyl) transferase) is a chromatin-associated enzyme, which modifies various nuclear proteins by poly ADP-ribosylation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. During apoptosis, caspases cleave the 116 kDa protein into a stable 85 kDa fragment containing the carboxyl terminal and a 25 kDa fragment. PARP may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes.

SPECIFICITY

This antibody is recommended for the determination of 112 kDa form and 29 kDa fragment of PARP-1 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry.

Recommended dilution for Western blotting: 1:1000. Molecular Weight of PARP: 112 kDa. Western blotting positive control: Jurkat cell lysate.

IMMUNOGEN

A peptide mapping at the amino terminus of mouse PARP-1.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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2. Lazebnik, Y.A., Kaufmann, S.H., Desnoyers, S., Poirier, G.G., and Earnshaw, W.C. 1994. Cleavage of poly (ADPribose) polymerase by a proteinase with properties like ICE. Nature 371: 346-347.
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