www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

PARP1

Reactivity: Human Mouse

Tested applications:WB IHC

Recommended Dilution:WB 1:1000 - 1:3000 IHC 1:50 - 1:100

Calculated MW:116kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human PARP1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

defjp

Synonym:

PARP; PARP1; PPOL; ADPRT; ADPRT1; PARP1-1; ADPRT 1; pADPRT-1;

Catalog #:A0942

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:142

Isotype: IgG

Swiss Prot:P09874

Purity: Affinity purification

For research use only.

Background:

PARP1, a 116 kDa nuclear poly (ADP-ribose) polymerase, appears to be involved in DNA repair in response to environmental stress (1). This protein can be cleaved by many ICE-like caspases in vitro (2,3) and is one of the main cleavage targets of caspase-3 in vivo (4,5). In human PARP1, the cleavage occurs between Asp214 and Gly215, which separates the PARP1 amino-terminal DNA binding domain (24 kDa) from the carboxy-terminal catalytic domain (89 kDa) (2,4). PARP1 helps cells to maintain their viability; cleavage of PARP1 facilitates cellular disassembly and serves as a marker of cells undergoing apoptosis (6).

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