

## PARP-1 (D214) polyclonal antibody

Catalog: BS7047

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

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

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 89, 116 kDa

### Swiss-Prot:

P09874

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

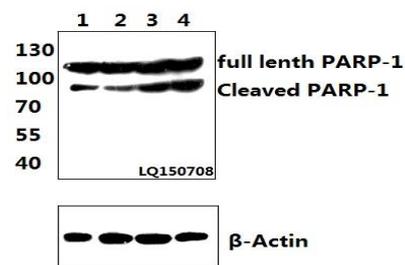
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

PARP-1 (D214) polyclonal antibody detects endogenous levels of full length PARP1 (116 kDa), as well as the large fragment (89 kDa) of PARP1 resulting from caspase cleavage.

### DATA:



Western blot (WB) analysis of PARP-1 (D214) polyclonal antibody at 1:1000 dilution

Lane1:NIH-3T3 whole cell lysate(20ug)

Lane2:NIH-3T3 treated with PMA (60ng/ml, 5min) whole cell lysate (20ug)

Lane3:NIH-3T3 treated with PMA (60ng/ml, 15min) whole cell lysate (20ug)

Lane4:NIH-3T3 treated with PMA (60ng/ml, 30min) whole cell lysate (20ug)

### Note:

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

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