

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:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

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

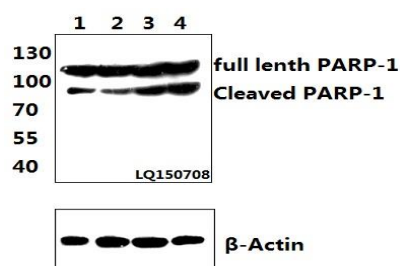
Storage&Stability:

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.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151