Rabbit Anti-PARP/PARP1

(100 µg/vial, Lyophilized)

Catalog Number: BPAB2829

FOR RESEARCH USE ONLY

Product Name	Anti-PARP/PARP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Poly [ADP-ribose] polymerase 1(PARP1) detection. Tested with WB, IHC-P, ICC, IF in Human;Mouse;Rat.
Application	IF, IHC-P, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P09874

Immunogen	E.coli-derived human PARP recombinant protein..
Cross Reactivity	No cross reactivity with other proteins
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunofluorescence, 2µg/ml, Human Immunocytochemistry , 0.5-1µg/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5µg/ml, Human, Mouse, Rat

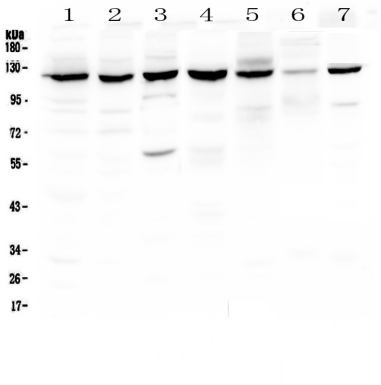

Figure 1. Western blot analysis of PARP using anti-PARP antibody.
The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human COLO-320 whole cell lysates,
Lane 4: human Jurkat whole cell lysates,
Lane 5: rat PC-12 whole cell lysates,
Lane 6: mouse NIH3T3 whole cell lysates,
Lane 7: mouse HEPA1-6 whole cell lysates.

Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PARP antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit.. A specific band was detected for PARP at approximately 120KD. The expected band size for PARP is at 113KD.

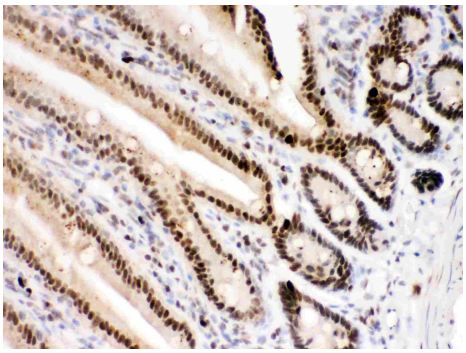

Figure 2. IHC analysis of PARP using anti-PARP antibody.
PARP was detected in paraffin-embedded section of **Mouse Intestine Tissue**. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-PARP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

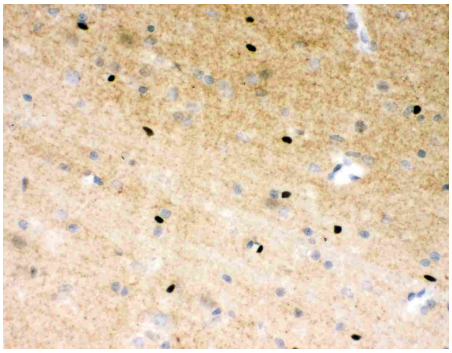

Figure 3. IHC analysis of PARP using anti-PARP antibody.
PARP was detected in paraffin-embedded section of **Rat Brain Tissue**. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-PARP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

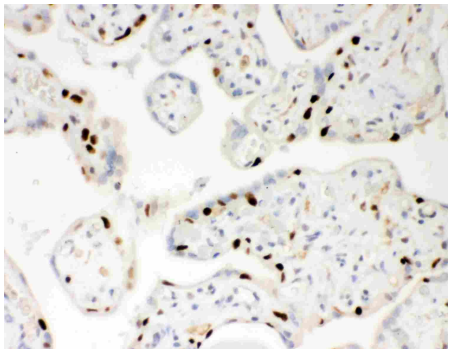

Figure 4. IHC analysis of PARP using anti-PARP antibody.
PARP was detected in paraffin-embedded section of **Human Placenta Tissue**. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-PARP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

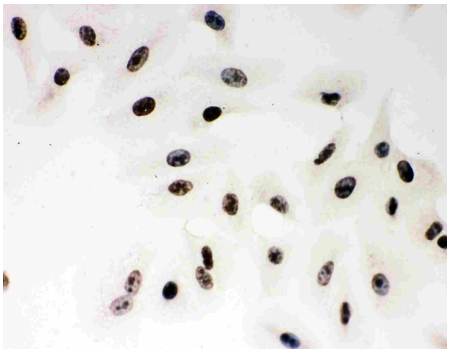

Figure 5. IHC analysis of PARP using anti-PARP antibody
PARP was detected in immunocytochemical section of **A549 Cell**. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-PARP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.