

Anti-PARP PARP1 Rabbit Monoclonal Antibody

Catalog Number: M00122-3

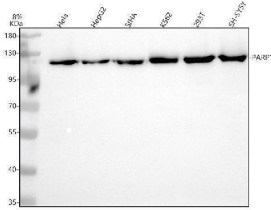
Overview

| | |
|----------------------|--|
| Product Name | Anti-PARP PARP1 Rabbit Monoclonal Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-PARP PARP1 Rabbit Monoclonal Antibody catalog # M00122-3. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |
| Application | Flow Cytometry, IF, IHC, ICC, WB |
| Clonality | Monoclonal CFD-16 |
| Formulation | Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P09874 |

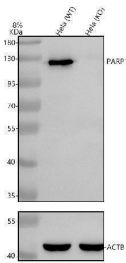
Technical Details

| | |
|---------------------|---|
| Immunogen | A synthesized peptide derived from human PARP |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5mg/ml |
| Purification | Affinity-chromatography |
| Suggested Dilutions | WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 FC 1:50 |

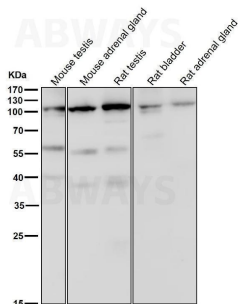
Anti-PARP PARP1 Rabbit Monoclonal Antibody (M00122-3) Images



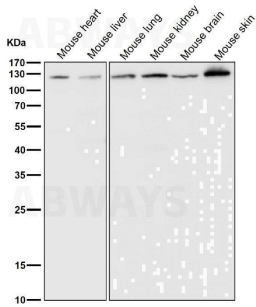
Western blot analysis of PARP1 using anti-PARP1 antibody (M00122-3). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human SIHA whole cell lysates, Lane 4: human K562 whole cell lysates, Lane 5: human 293T whole cell lysates, Lane 6: human SH-SY5Y whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PARP1 antigen affinity purified monoclonal antibody (M00122-3) at 1:500 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 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PARP1 at approximately 113 kDa. The expected band size for PARP1 is at 113 kDa.



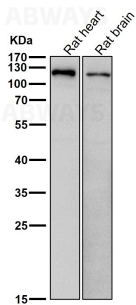
Western blot analysis of PARP1 using anti-PARP1 antibody (PB9309). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa- WT whole cell lysates, Lane 2: human HeLa-GPX4 KO whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. Then the membrane was incubated with rabbit anti-PARP1 antigen affinity purified monoclonal antibody (PB9309) at 0.5 ug/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 (Catalog # BA1054) at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for PARP1 at approximately 118 kDa. The expected band size for PARP1 is at 118 kDa.



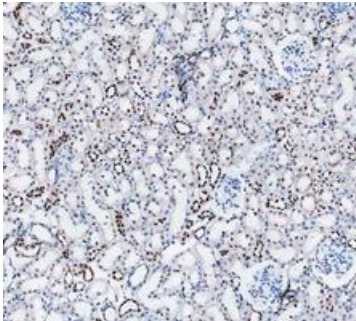
All lanes use the Antibody at 1:2000 dilution for 1 hour at room temperature.



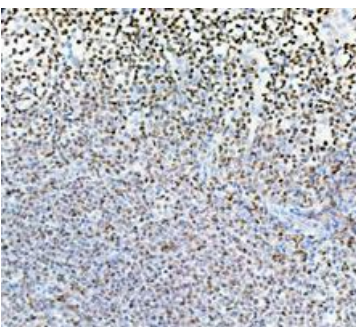
All lanes use the Antibody at 1:1000 dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1000 dilution for 1 hour at room temperature.

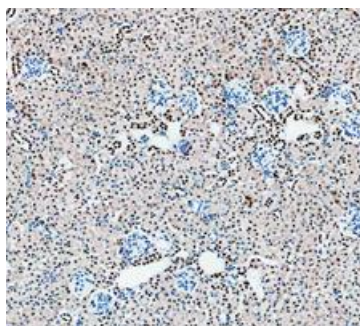


IHC analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/ml rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. HRP-AffiniPure Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

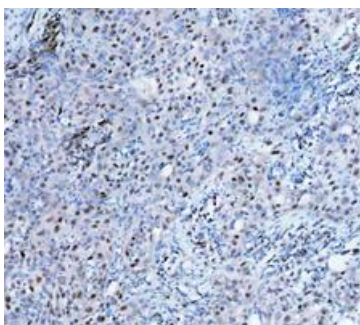


IHC analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/ml rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. HRP-AffiniPure Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

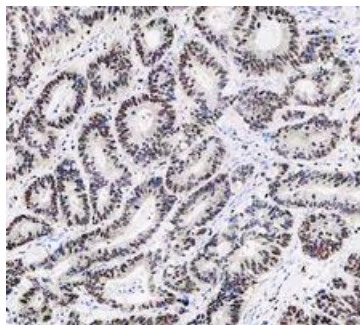
IHC analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of mouse kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5



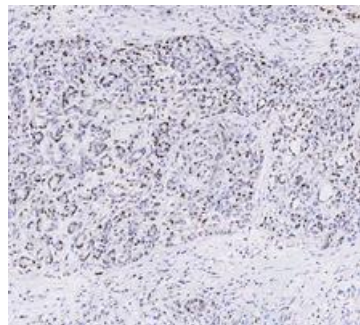
ug/ml rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. HRP-AffiniPure Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of human bladder cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/ml rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. HRP-AffiniPure Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

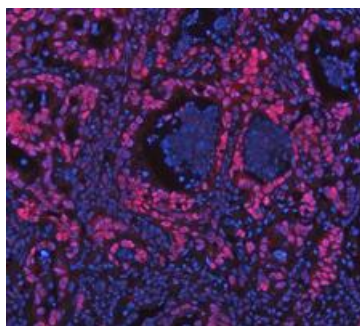


IHC analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of human stomach cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/ml rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. HRP-AffiniPure Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

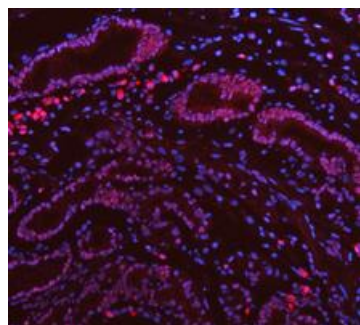


IHC analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of human pancreas cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/ml rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. HRP-AffiniPure Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

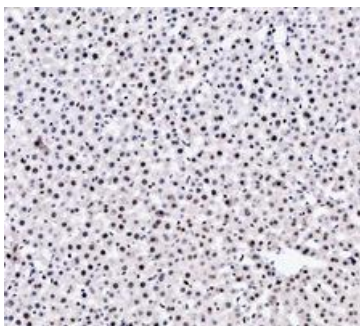
IF analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of human pancreas cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10%



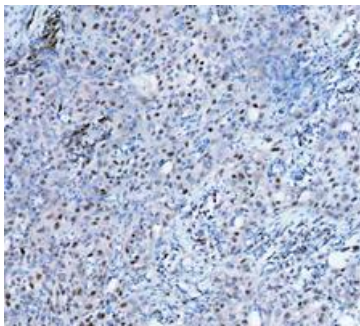
goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. DyLight 594 Conjugated AffiniPure Goat Anti-rabbit IgG(H+L) (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of human stomach cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. DyLight 594 Conjugated AffiniPure Goat Anti-rabbit IgG(H+L) (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

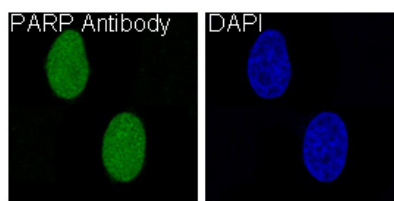


IHC analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of rat liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/ml rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. HRP-AffiniPure Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IF analysis of PARP1 using anti-PARP1 antibody (M00122-3). PARP1 was detected in a paraffin-embedded section of human bladder cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-PARP1 Antibody (M00122-3) overnight at 4°C. DyLight 594 Conjugated AffiniPure Goat Anti-rabbit IgG(H+L) (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Immunofluorescent analysis of Hela cells, using PARP Antibody .



2 Publications Citing This Product

1. PubMed ID: 33281970, Wang P,Wang C,Liu C. Antitumor effects of dioscin in A431 cells via adjusting ATM/p53-mediated cell apoptosis, DNA damage and migration. *Oncol Lett.* 2021 Jan;21(1):59.doi:10.3892/ol.2020.12321.Epub 2020 Nov 19.PMID:33281970;PMCID:PMC7709553.
2. PubMed ID: 21151457, Li Q, Li Z, Xu Xy, Guo YI, Du F. *Int J Mol Sci.* 2010 Nov 16;11(11):4580-90. Doi: 10.3390/ijms11114580. Neuroprotective Properties Of Picoside Ii In A Rat Model Of Focal Cerebral Ischemia.

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Anti-PARP PARP1 Rabbit Monoclonal Antibody

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