

Datasheet for ABIN6259061 anti-PARP2 antibody (Internal Region)

3 Images

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Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | PARP2 |
| Binding Specificity: | Internal Region |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PARP2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human PARP2, corresponding to a region within the internal amino acids. |
| Isotype: | IgG |
| Specificity: | PARP2 Antibody detects endogenous levels of total PARP2. |
| Predicted Reactivity: | Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

| | |
|---------|-------|
| Target: | PARP2 |
|---------|-------|

Target Details

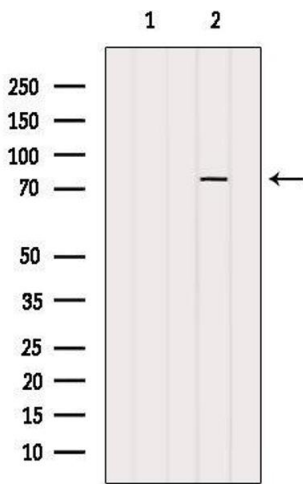
| | |
|-------------------|---|
| Alternative Name: | PARP2 (PARP2 Products) |
| Background: | <p>Description: Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism (PubMed:10364231, PubMed:28190768). This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks (PubMed:10364231). Mediates serine ADP-ribosylation of target proteins following interaction with HPF1, HPF1 conferring serine specificity (PubMed:28190768).</p> <p>Gene: PARP2</p> |
| Molecular Weight: | 75 kDa |
| Gene ID: | 10038 |
| UniProt: | Q9UGN5 |
| Pathways: | DNA Damage Repair |

Application Details

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|--------------------|---|
| Application Notes: | WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

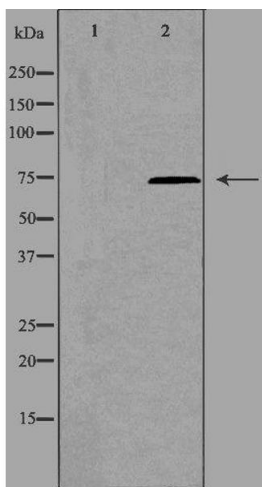
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |



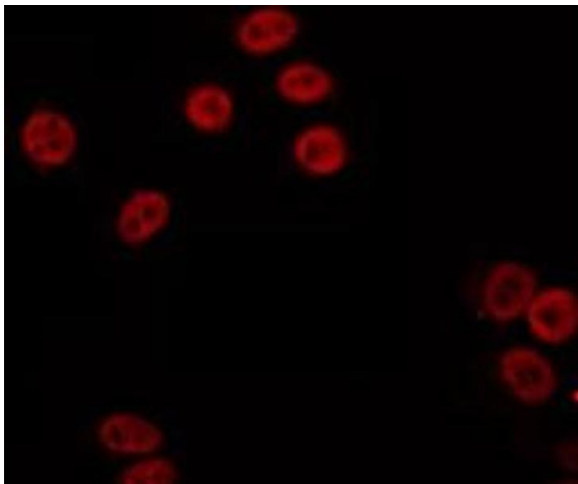
Western Blotting

Image 1. Western blot analysis of extracts from 3T3, using PARP2 Antibody. The lane on the left was treated with blocking peptide.



Western Blotting

Image 2. Western blot analysis of extracts from K562 using PARP2 antibody. The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 3. ABIN6274696 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.