

Datasheet for ABIN390353
anti-PARP1 antibody (N-Term)

3 Images

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Overview

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|----------------------|--|
| Quantity: | 400 µL |
| Target: | PARP1 |
| Binding Specificity: | AA 183-214, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PARP1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

Product Details

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| Immunogen: | This PARP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-214 amino acids from the N-terminal region of human PARP1. |
| Clone: | RB14153 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | M |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

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|---------|-------|
| Target: | PARP1 |
|---------|-------|

Target Details

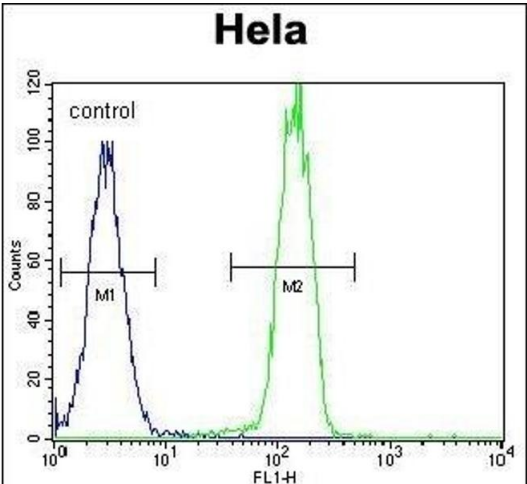
| | |
|-------------------|--|
| Alternative Name: | PARP1 (PARP1 Products) |
| Background: | PARP1 is a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes. |
| Molecular Weight: | 113084 |
| Gene ID: | 142 |
| NCBI Accession: | NP_001609 |
| UniProt: | P09874 |
| Pathways: | Apoptosis , Caspase Cascade in Apoptosis , DNA Damage Repair , Production of Molecular Mediator of Immune Response , Maintenance of Protein Location |

Application Details

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|--------------------|-------------------------------------|
| Application Notes: | WB: 1:1000. WB: 1:1000. FC: 1:10~50 |
| Restrictions: | For Research Use only |

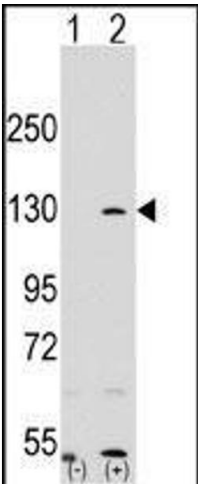
Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| 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: | 4 °C, -20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



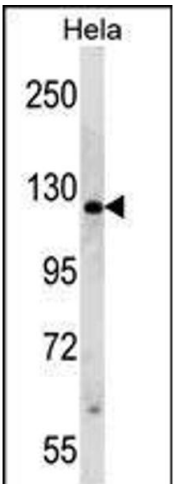
Flow Cytometry

Image 1. RP1 Antibody (N-term) (ABIN390353 and ABIN2840765) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of RP1 (arrow) using rabbit polyclonal RP1 Antibody (N-term) (ABIN390353 and ABIN2840765). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the RP1 gene (Lane 2) (Origene Technologies).



Western Blotting

Image 3. RP1 Antibody (N-term) (ABIN390353 and ABIN2840765) western blot analysis in Hela cell line lysates (35 µg/lane). This demonstrates the RP1 antibody detected the RP1 protein (arrow).