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## Datasheet for ABIN4886360 PARP1 ELISA Kit



Overview

| Quantity:            | 96 tests  |
|----------------------|---|
| Target:              | PARP1   |
| Binding Specificity: | Cleaved-Asp214, Cleaved-Gly215  |
| Reactivity:          | Human   |
| Method Type:         | Sandwich ELISA  |
| Application:         | ELISA   |
| Product Details      |   |
| Purpose:             | Human Cleaved PARP (D214/G215) ELISA Kit. This ELISA is for measuring cleaved PARP (Asp-<br>214/Gly-215) in human cell lysates.   |
| Sample Type:         | Cell Lysate, Tissue Lysate  |
| Analytical Method:   | Semi-Quantitative   |
| Detection Method:    | Colorimetric  |
| Specificity:         | The antibody pair provided in this kit recognizes human PARP cleaved at sites aspartic acid-214 and glycine-215.  |
| Characteristics:     | <ul> <li>Rapidly measures cleaved protein in lysates</li> <li>Screen numerous different cell lysates without performing a Western Blot analysis</li> <li>Minimal hands-on time, convenient, and non-radioactive material</li> </ul> |
| Components:          | <ul> <li>Pre-Coated 96-well Strip Microplate</li> <li>Wash Buffer</li> <li>Anti-cleaved Antibody</li> </ul>   |

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|                        | <ul> <li>HRP-Conjugated Secondary Antibody</li> <li>Assay Diluent</li> <li>TMB One-Step Substrate</li> <li>Stop Solution</li> <li>Lysis Buffer</li> <li>Positive Control Sample</li> </ul>  |
|------------------------|---|
| Material not included: | <ul> <li>Distilled or deionized water</li> <li>100 mL and 1 liter graduated cylinders</li> <li>Tubes to prepare sample dilutions</li> <li>Protease and Phosphatase inhibitors</li> <li>Precision pipettes to deliver 2 µL to 1 mL volumes</li> <li>Adjustable 1-25 mL pipettes for reagent preparation</li> </ul> |
|                        | <ul> <li>Benchtop rocker or shaker</li> <li>Microplate reader capable of measuring absorbance at 450 nm</li> </ul>  |

## Target Details

| Target:           | PARP1   |
|-------------------|---|
| Alternative Name: | PARP1 (PARP1 Products)  |
| Gene ID:          | 142   |
| UniProt:          | P09874  |
| Pathways:         | Apoptosis, Caspase Cascade in Apoptosis, DNA Damage Repair, Production of Molecular |
|                   | Mediator of Immune Response, Maintenance of Protein Location                        |

## Application Details

| Sample Volume: | 100 µL   |
|----------------|--|
| Plate:         | Pre-coated   |
| Protocol:      | 1. Prepare all reagents and samples as instructed in the manual.   |
|                | 2. Add 100 $\mu$ L of sample or positive control to each well.     |
|                | 3. Incubate 2.5 h at RT or O/N at 4 °C.                            |
|                | 4. Add 100 $\mu$ L of prepared primary antibody to each well.      |
|                | 5. Incubate 1 h at RT.   |
|                | 6. Add 100 $\mu$ L of prepared 1X HRP-Streptavidin to each well.   |
|                | 7. Incubate 1 h at RT.   |
|                | 8. Add 100 $\mu$ L of TMB One-Step Substrate Reagent to each well. |
|                | 9. Incubate 30 min at RT.  |

| Application Details |   |
|---------------------|---|
|                     | 10. Add 50 μL of Stop Solution to each well.<br>11. Read at 450 nm immediately.   |
| Restrictions:       | For Research Use only   |
| Handling            |   |
| Storage:            | -20 °C  |
| Storage Comment:    | Upon receipt, the kit should be stored at -20°C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4°C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge, and store at -20°C. Item D, store at 2-8°C for up to one month (store at -20°C for up to 6 months, avoid repeated freeze-thaw cycles). Reconstituted Positive Control (Item K) should be stored at -70°C. |
| Expiry Date:        | 6 months  |