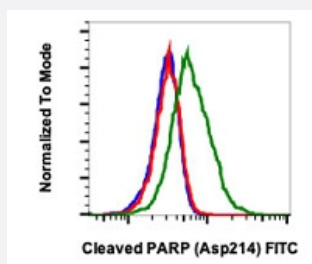


# Cleaved PARP1 (D214) monoclonal antibody, clone H8 (FITC)

Catalog # MAB21632      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of SK-N-MC cells with Cleaved PARP1 (D214) monoclonal antibody, clone H8 (FITC) (Cat # MAB21632). Unstained and untreated cells as negative control (blue) or stained untreated (red) or treated with staurosporine (green).

## Specification

|                            |                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic peptide of human PARP1.                                    |
| <b>Immunogen</b>           | A synthetic peptide corresponding to residues surrounding D214 of human PARP1.                                 |
| <b>Host</b>                | Rabbit                                                                                                         |
| <b>Reactivity</b>          | Human                                                                                                          |
| <b>Form</b>                | Liquid                                                                                                         |
| <b>Conjugation</b>         | FITC                                                                                                           |
| <b>Purification</b>        | Protein A/G purification                                                                                       |
| <b>Isotype</b>             | IgG1, kappa                                                                                                    |
| <b>Recommend Usage</b>     | Flow Cytometry (5 $\mu$ L/ $10^6$ cells)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).                                                                 |
| <b>Storage Instruction</b> | Store at 4°C.                                                                                                  |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

Flow cytometric analysis of SK-N-MC cells with Cleaved PARP1 (D214) monoclonal antibody, clone H8 (FITC) (Cat # MAB21632). Unstained and untreated cells as negative control (blue) or stained untreated (red) or treated with staurosporine (green).

## Gene Info — PARP1

|               |                     |
|---------------|---------------------|
| Entrez GeneID | <a href="#">142</a> |
|---------------|---------------------|

|                    |                        |
|--------------------|------------------------|
| Protein Accession# | <a href="#">P09874</a> |
|--------------------|------------------------|

|           |       |
|-----------|-------|
| Gene Name | PARP1 |
|-----------|-------|

|            |                                             |
|------------|---------------------------------------------|
| Gene Alias | ADPRT, ADPRT1, PARP, PARP-1, PPOL, pADPRT-1 |
|------------|---------------------------------------------|

|                  |                                |
|------------------|--------------------------------|
| Gene Description | poly (ADP-ribose) polymerase 1 |
|------------------|--------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">173870</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | This gene encodes 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. [provided by RefSeq] |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                                                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Designations | ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) ADP-ribosyltransferase NAD(+) OTTHUMP00000035663 poly (ADP-ribose) polymerase family, member 1 poly(ADP-ribose) polymerase poly(ADP-ribose) synthetase poly(ADP-ribosyl)transferase |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Pathway

- [Base excision repair](#)

## Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenomyoma](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Ataxia telangiectasia](#)
- [Brain Injuries](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Neuropathies](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Graft vs Host Disease](#)
- [Helicobacter Infections](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meniere Disease](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Meningococcal Infections](#)
- [Micronuclei](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Neutropenia](#)
- [Otitis Media](#)
- [Ovarian cancer](#)

- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)