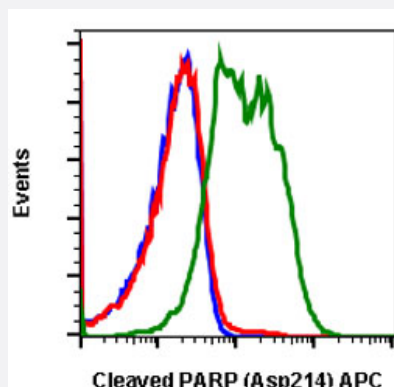


Cleaved PARP1 (D214) monoclonal antibody, clone H8 (APC)

Catalog # MAB18756

Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of SK-N-MC cells with Cleaved PARP1 (D214) monoclonal antibody, clone H8 (APC) (Cat # MAB18756). Unstained and untreated cells as negative control (blue) or stained untreated (red) or treated with staurosporine (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PARP1.
Immunogen	A synthetic peptide corresponding to residues surrounding D214 of human PARP1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

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 (APC) (Cat # MAB18756). Unstained and untreated cells as negative control (blue) or stained untreated (red) or treated with staurosporine (green).

Gene Info — PARP1

Entrez GeneID[142](#)**Gene Name**

PARP1

Gene Alias

ADPRT, ADPRT1, PARP, PARP-1, PPOL, pADPRT-1

Gene Description

poly (ADP-ribose) polymerase 1

Omim ID[173870](#)**Gene Ontology**[Hyperlink](#)**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](#)