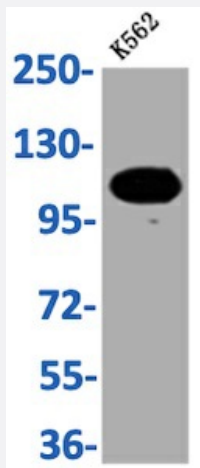


RecomAb™

PARP1 recombinant monoclonal antibody, clone 8C7

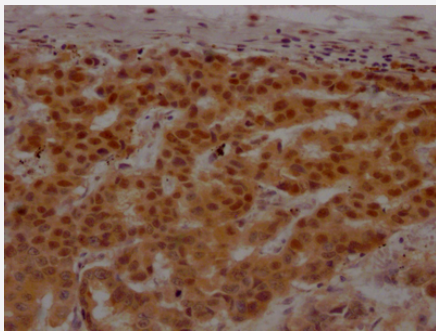
Catalog # RAB04093 Size 100 uL

Applications



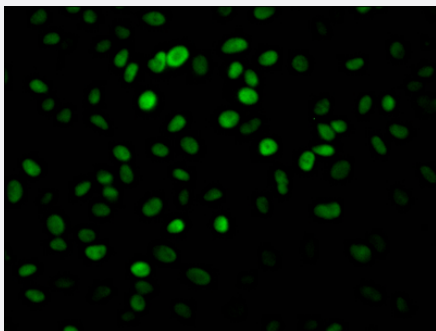
Western Blot

Western Blot analysis of Lane 1: K562 whole cell lysate.



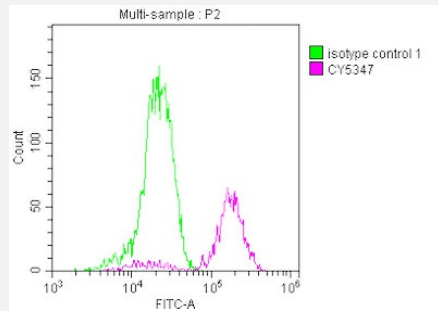
Immunohistochemistry

Immunohistochemistry image of PARP1 recombinant monoclonal antibody, clone 8C7 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.



Immunofluorescence

Immunofluorescence staining of HeLa Cells with PARP1 recombinant monoclonal antibody, clone 8C7 at 1:50, counter-stained with DAPI.



Flow Cytometry

Overlay histogram showing Jurkat cells stained with PARP1 recombinant monoclonal antibody, clone 8C7 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PARP1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human PARP1.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry (1:20-1:200) Immunohistochemistry (1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: K562 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of PARP1 recombinant monoclonal antibody, clone 8C7 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.

- Immunofluorescence

Immunofluorescence staining of Hela Cells with PARP1 recombinant monoclonal antibody, clone 8C7 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay histogram showing Jurkat cells stained with PARP1 recombinant monoclonal antibody, clone 8C7 (red line) at 1:50.

Gene Info — PARP1

Entrez GeneID [142](#)

Protein Accession# [P09874](#)

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](#)