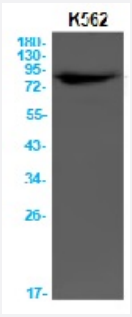
RecomAb™

PARP1 recombinant monoclonal antibody, clone R02-2C6

Catalog # RAB01499 Size 100 uL

Applications



Western Blot

Western blot analysis of Cleaved- PARP1 in K562 lysates using human Cleaved- PARP1 recombinant monoclonal antibody, clone R02-2C6 (Cat # RAB01499).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Cleaved PARP1 .
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Cleaved PARP1
Theoretical MW (kDa)	Calculated MW: 113 k
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western blot analysis of Cleaved- PARP1 in K562 lysates using human Cleaved- PARP1 recombinant monoclonal antibody, clone R02-2C6 (Cat # RAB01499).

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 modifie s various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and i s involved in the regulation of various important cellular processes such as differentiation, prolifera tion, and tumor transformation and also in the regulation of the molecular events involved in the rec overy of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi an emia, 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) poly merase|poly(ADP-ribose) synthetase|poly(ADP-ribosyl)transferase

Pathway

- Base excision repair

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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

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- 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

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- 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

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