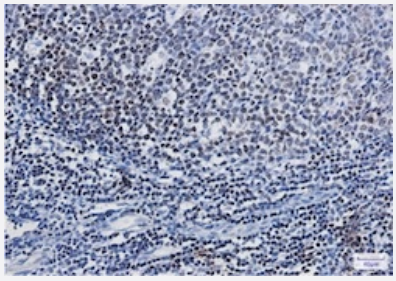
RecomAb™

PARP1 recombinant monoclonal antibody, clone R05-8E8

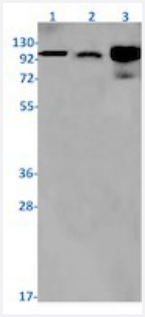
Catalog # RAB02022 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human tonsil with PARP1 recombinant monoclonal antibody, clone R05-8E8 (Cat # RAB02022).
High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western Blot

Western blot analysis of Lane 1: K562, Lane 2: 3T3 and Lane 3: Hela lysates with PARP1 recombinant monoclonal antibody, clone R05-8E8 (Cat # RAB02022).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PARP1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PARP1.
Theoretical MW (kDa)	Calculated MW: 113 k
Reactivity	Human, Mouse, Rat
Form	Liquid

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Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
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 -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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human tonsil with PARP1 recombinant monoclonal antibody, clone R05-8E8 (Cat # RAB02022).
  High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

- Western Blot

  Western blot analysis of Lane 1: K562, Lane 2: 3T3 and Lane 3: Hela lysates with PARP1 recombinant monoclonal antibody, clone R05-8E8 (Cat # RAB02022).

Gene Info — PARP1

Entrez GeneID	142
Protein Accession#	P09874
Gene Name	PARP1
Gene Alias	ADPRT, ADPRT1, PARP, PARP-1, PPOL, pADPRT-1

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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

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- 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

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- 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

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- Werner syndrome

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