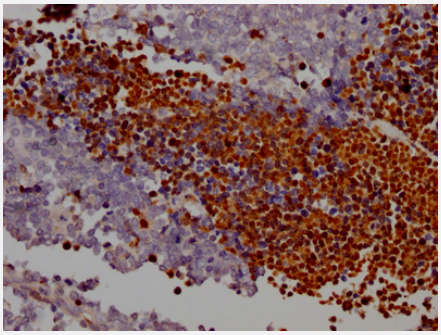
RecomAb™

PARP1 recombinant monoclonal antibody, clone 5H8

Catalog # RAB04154 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of PARP1 recombinant monoclonal antibody, clone 5H8 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system.

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
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)

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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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of PARP1 recombinant monoclonal antibody, clone 5H8 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

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

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- 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

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- 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

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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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