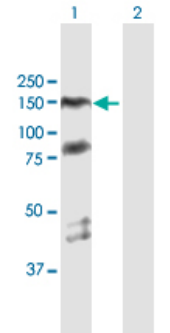
MaxPab®

PARP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000142-B01P Size 50 ug

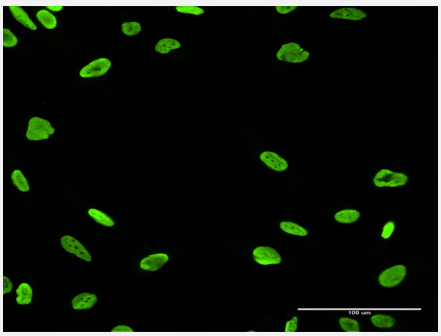
Applications



Western Blot (Transfected lysate)

Western Blot analysis of PARP1 expression in transfected 293T cell line (H00000142-T01) by PARP1 MaxPab polyclonal antibody.

Lane 1: PARP1 transfected lysate(111.54 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PARP1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PARP1 protein.
Immunogen	PARP1 (ABM85752.1, 1 a.a. ~ 1014 a.a) full-length human protein.

Sequence	MAESSDKLYRVEYAKSGRASCKKCSESIPKDSLRMAIMVQSPMFDGKVPHWYHFSCFWKVGHS IRHPDVEVDGFSELRWDDQQKVKKTAEAGGVTGKGQDGIGSKAEKTLGDFAAEYAKSNRSTCK GCMEKIEKGQVRLSKKMVDPEKPQLGMIDRWYHPGCFVKNREELGFRPEYSASQLKGFSLLATE DKEALKKQLPGVKSEGKRKGDEVDGVDEVAKKKSKKEKDKDSKLEKALKAQNDLIWNIKDELK KVCSTNDLKELLIFNKQQVPSGESAILDRVADGMVFGALLPCEECSGQLVFKSDAYYCTGDVTA WTKCMVKTQTPNRKEWVTPKEFREISYLKKLKVKKQDRIFPPETSASVAATPPPSTASAPAAVNS SASADKPLSNMKILTLGKLSRNKDEVKAMIEKLGGKLTGTANKASLCISTKKEVEKMNKKMEEVK EANIRVVSEDFLQDVSASTKSLQELFLAHILSPWGAEVKAEPVEVVAPRGKSGAALSKKSKGQV KEEGINKSEKRMKLTLKGGAAVDPDSGLEHSAHVLEKGGKVFSATLGLVDIVKGTNSYYKLQLLE DDKENRYWIFRSWGRVGTVIGSNKLEQMPSKEDAIEHFMKLYEEKTGNAWHSKNFTKYPKKFYPL EIDYGQDEEAVKKLTVNPGTKSKLPKPVQDLIKMIFDVESMKKAMVEYEIDLQKMPLGKLSKRQIQ AAYSILSEVQQAVSQGSSDSQILDLSNRFYTLIPHDFGMKKPPLLNNADSVQAKAEMLDNLLDIEV AYSLLRGGSDDSSKDPIDVNYEKLKTDIKVVDRDSEEAEIIRKYVKNTHATTHNAYDLEVIDIFKIERE GECQRYKPFKQLHNRRLLWHGSRTTNFAGILSQGLRIAPPEAPVTGYMFGKGIYFADMVSKSANY CHTSQGDPIGLILLGEVALGNMYELKHASHISKLPKGKHSVKGLGKTTPDPSANISLDGVDVPLGT GISSGVNDTSLLYNEYIVYDIAQVNLKYLLKLKFNFKTSLW
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of PARP1 expression in transfected 293T cell line (H00000142-T01) by PARP1 MaxPab polyclonal antibody.

  Lane 1: PARP1 transfected lysate(111.54 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to PARP1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PARP1

Entrez GeneID	142
GeneBank Accession#	DQ894826.2
Protein Accession#	ABM85752.1
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