

Rabbit Anti-PARP1 Monoclonal Antibody

CAB-7545RH Rabbit(PARP1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-PARP1 Monoclonal Antibody
Antigen Description	This gene encodes a chromatin-associated enzyme, poly(ADP-ribose)transferase, which modifies various nuclear proteins by poly(ADP-ribose)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.
Target	PARP1
Immunogen	A synthetic peptide corresponding to residues before the cleavage site of human PARP1 was used as immunogen. The antibody only recognize p25 cleaved-form of PARP1.
Host	Rabbit
Species	Human
Clone	MAAG5352
conjugation	N/A
Applications	WB,Flow Cyt,IP,IHC

PACKAGING

Format	50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	PARP1 Antibody can be stored at -20°C for up to 12 months from time of receipt.

ANTIGEN GENE INFORMATION

Gene Name	PARP1 poly (ADP-ribose) polymerase 1 [Homo sapiens]
Official Symbol	PARP1
Synonyms	PARP1; poly (ADP-ribose) polymerase 1; ADP ribosyltransferase (NAD+; poly (ADP ribose) polymerase) , ADPRT, poly (ADP ribose) polymerase family, member 1 , PPOL; poly [ADP-ribose] polymerase 1; PARP; poly(ADP-ribose) polymerase; poly(ADP-ribose) synthetase; poly[ADP-ribose] synthase 1; poly(ADP-ribose)transferase; ADP-ribosyltransferase NAD(+); NAD(+) ADP-ribosyltransferase 1; poly (ADP-ribose) polymerase family, member 1; ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase); PPOL; ADPRT; ADPRT1; PARP-1; ADPRT 1; pADPRT-1;
GeneID	142
mRNA Refseq	NM_001618
Protein Refseq	NP_001609
MIM	173870
UniProt ID	P09874
Chromosome Location	1q41-q42

Pathway	BER complex, organism-specific biosystem; BER complex, conserved biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Caspase cascade in apoptosis, organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem;
Function	DNA binding; NAD binding; NAD+ ADP-ribosyltransferase activity; metal ion binding; protein N-terminus binding; protein binding; transcription factor binding; transferase activity, transferring glycosyl groups; zinc ion binding;