



Anti-PARP1 monoclonal antibody, clone B7.5.23 (DCABH-316)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to PARP
Antigen Description	Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. Mediates the poly(ADP-ribosyl)ation of APLF and CHFR. Positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150.
Immunogen	Native Human PARP protein.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	B7.5.23
Conjugate	Unconjugated
Applications	WB, IP, ELISA, IHC-P, IHC-Fr
Positive Control	Human placenta, skin and spleen tissues.
Format	Liquid
Size	50 µg
Buffer	Preservative: 0.09% Sodium azide

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Storage	Store at 4°C or at -20°C for long term storage.

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) syntheta
Entrez Gene ID	142
Protein Refseq	NP_001609
UniProt ID	A0A024R3T8
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;