

Product Datasheet

PARP1 Polyclonal Antibody GRP457

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 for MTUS1 and negatively regulates the transcription for the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. Required for PARP9 and DTX3L recruitment to DNA damage sites. PARP1-dependent PARP9-DTX3L-mediated ubiquitination promotes the rapid and specific recruitment of 53BP1/TP53BP1, UIMC1/RAP80, and BRCA1 to DNA damage sites.

| Species/Host | Rabbit |
|---------------------|---|
| Reactivity | Human, Rat |
| Conjugation | Unconjugated |
| Tested Applications | FC, IHC-P, WB |
| Immunogen | KLH conjugated synthetic peptide derived from human PARP1 (public_immunogen_range: 216-240/1014) |
| Form/Appearance | Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide. |
| Concentration | lug/ul |
| Storage | Store at -20°C for 12 months. |
| Note | For research use only. |
| Isotype | lgG |
| Clonality | Polyclonal |
| Purity | Purified by Protein A. |
| Uniprot ID | P09874 |
| Entrez | 142 |
| Dilution Range | WB: 1:300-1000, FC: 1:20-100, IHC-P: 1:200-400 |





IHC-P of GRP457