German Research Products - GRP GmbH

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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 of MTUS2/TIP150. With EEF1A1 and TXK, forms a complex that acts as a T-helper 1 (Th1) cell-specific transcription factor and binds 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)

Aqueous buffered solution containing 1% BSA, 50% glycerol and Form/Appearance

0.09% sodium azide.

Concentration 1ug/ul

Storage Store at -20°C for 12 months.

Note For research use only.

Isotype IgG

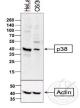
Clonality Polyclonal

Purified by Protein A. **Purity**

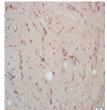
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Dilution Range WB: 1:300-1000, FC: 1:20-100, IHC-P: 1:200-400



WB of GRP457



IHC-P of GRP457