



## PARP1 (DGR12952) Rabbit mAb

db15686 Package : 10μL 20μL 50μL 100μL

Product Name: PARP1 (DGR12952) Rabbit mAb

Cat.No.: db15686

Synonyms: PARP; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1

Application: WB, IHC-P, ICC/IF, FC

Reactivity : Human

Host species : Rabbit

**Background** 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, Jul 2008]

**Immunogen** A synthetic peptide of human PARP

Gene ID 142

Swiss Prot P09874

**Synonyms** PARP; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1

Reactivity Human

**Application** WB, IHC-P, ICC/IF, FC

Recommended dilution WB: 1:1000-1:5000

IHC-P: 1:100-1:200

ICC/IF: 1:100 EC: 1:20-1:50

FC: 1:20-1:50

Calculated MW 113 kDa

Observed MW 116,24 kDa

Host species Rabbit

**Clonality** Monoclonal

Clonality No. DGR12952





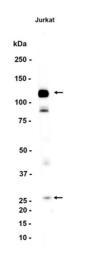
**Isotype** IgG

**Purity** Affinity Purification

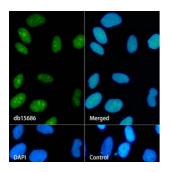
Conjugation Un-conjugated

Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Jurkat cells using db15686 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling PARP1 with db15686.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15686 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.