

Recombinant**DGRmAb®****PARP1 (DGR12952) Rabbit mAb (PBS Only)****db15686-PBS****Package : 100µg****Product Name :** PARP1 (DGR12952) Rabbit mAb (PBS Only)**Cat.No.:** db15686-PBS**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-ribosylation). 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

Calculated MW

113 kDa

Observed MW

116,24 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR12952

Isotype

IgG

Purity

Affinity Purification

Conjugation

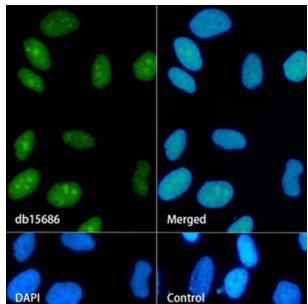
Un-conjugated

Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

Jurkat

kDa
250 -
150 -
100 -
75 -
50 -
37 -
25 -
20 -
15 -
10 -

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 IgG (H+L)-AF488 [db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.