

For Research Use Only

# PARP2 Polyclonal antibody

Catalog Number: 55149-1-AP

9 Publications



## Basic Information

### Catalog Number:

55149-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_005484

### GeneID (NCBI):

10038

### UNIPROT ID:

Q9UGN5

### Full Name:

poly (ADP-ribose) polymerase 2

### Calculated MW:

66 kDa

### Observed MW:

66 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:3000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : HeLa cells, U2OS cells, SH-SY5Y cells

IF/ICC : U2OS cells,

## Background Information

PARP2, also named as ADPRT2 and ADPRTL2, is 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 repair of DNA strand breaks. This antibody is specific to PARP2 (N-terminal).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xueying Wang	34103682	Oncogene	WB
Chunlan Pu	35430559	Eur J Med Chem	WB
Nicholas C K Valerie	39643609	Nat Commun	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

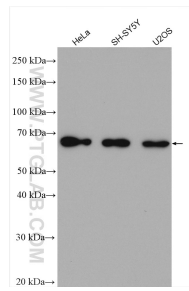
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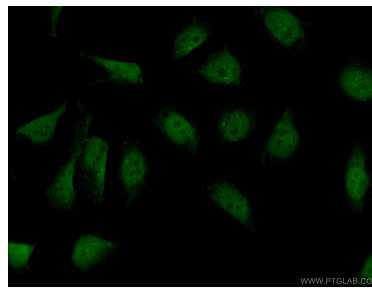
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55149-1-AP (PARP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using 55149-1-AP (PARP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).