

## PARP (M3) Mouse mAb

CatalogNo: YM3131

Orthogonal Validated 

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human,Chicken(testedbyyourcustomer)

#### Applications

- WB

#### MW

- 116kD (Observed)

### Recommended Dilution Ratios

**WB 1:1000-3000**

### Storage

**Storage\***

-15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation**

PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

### Basic Information

**Clonality**

Monoclonal

**Clone Number**

M3

### Immunogen Information

**Immunogen**

Synthetic Peptide of PARP

**Specificity**

The antibody detects endogenous PARP protein.

### Target Information

**Gene name**

PARP1

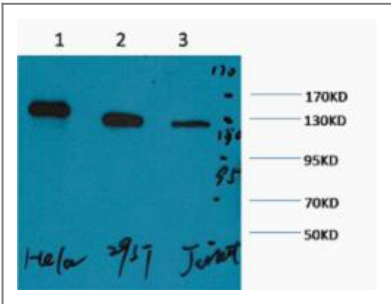
Protein Name	Poly [ADP-ribose] polymerase 1		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">142;</a>	<a href="#">P09874;</a>
	Mouse		<a href="#">P11103;</a>
	Rat	<a href="#">25591;</a>	<a href="#">P27008;</a>

**Cellular Localization** Nucleus . Nucleus, nucleolus . Chromosome . Localizes to sites of DNA damage. .

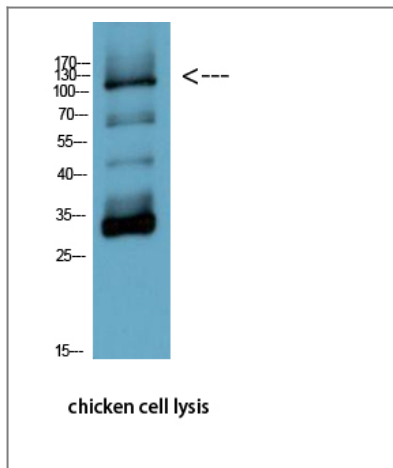
**Tissue specificity** Brain,Colon carcinoma,Fibroblast,Lung,Ovarian carcinoma,Skin,

**Function** Catalytic activity:NAD(+) + (ADP-D-ribosyl)(n)-acceptor = nicotinamide + (ADP-D-ribosyl)(n+1)-acceptor.,Function: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.,miscellaneous:The ADP-D-ribosyl group of NAD(+) is transferred to an acceptor carboxyl group on a histone or the enzyme itself, and further ADP-ribosyl groups are transferred to the 2'-position of the terminal adenosine moiety, building up a polymer with an average chain length of 20-30 units.,PTM:Phosphorylated by PRKDC. Phosphorylated upon DNA damage, probably by ATM or ATR.,PTM:Poly-ADP-ribosylated by PARP2.,similarity:Contains 1 BRCT domain.,similarity:Contains 1 PARP alpha-helical domain.,similarity:Contains 1 PARP catalytic domain.,similarity:Contains 2 PARP-type zinc fingers.,subunit:Component of a base excision repair (BER) complex, containing at least XRCC1, PARP2, POLB and LIG3. Homo- and heterodimer with PARP2. Interacts with PARP3, APTX and SRY. The SWAP complex consists of NPM1, NCL, PARP1 and SWAP70. Interacts with TIAM2 and ZNF423.,

## Validation Data



Western blot analysis of 1) Hela, 2) 293T, 3) Jurkat, diluted at 1:2000. cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western Blot analysis of chicken cell lysis using Antibody diluted at 1:1000

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
to access additional  
product information:  
**PARP (M3) Mouse  
mAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)