

## p21 (PT0544R) PT™ Rabbit mAb

CatalogNo: YM8364 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Mouse,Rat

#### Applications

- WB,IHC,IF,IP,ELISA

#### MW

- 18kD (Calculated)  
18kD (Observed)

#### Isotype

- IgG,Kappa

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

### Recommended Dilution Ratios

**IHC 1:500-1:2000****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

### Basic Information

**Clonality** Monoclonal**Clone Number** PT0544R

### Immunogen Information

**Specificity** Endogenous

## Target Information

**Gene name** CDKN1A CAP20 CDKN1 CIP1 MDA6 PIC1 SDI1 WAF1

**Protein Name** Cyclin-dependent kinase inhibitor 1

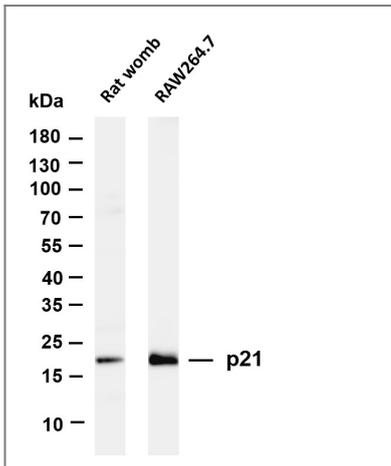
Organism	Gene ID	UniProt ID
Human	<a href="#">1026</a> ;	<a href="#">P38936</a> ;
Mouse	<a href="#">12575</a> ;	<a href="#">P39689</a> ;

**Cellular Localization** Nucleus

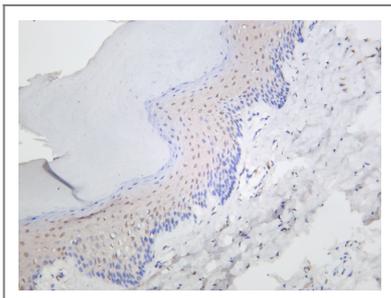
**Tissue specificity** Expressed in all adult tissues, with 5-fold lower levels observed in the brain.

**Function** Function:May be the important intermediate by which p53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression.,induction:By p53, mezerein (antileukemic compound) and interferon beta.,PTM:Phosphorylation of Thr-145 by Akt or of Ser-146 by PKC impairs binding to PCNA.,similarity:Belongs to the CDI family.,tissue specificity:Expressed in all adult human tissues, with 5-fold lower levels observed in the brain.,

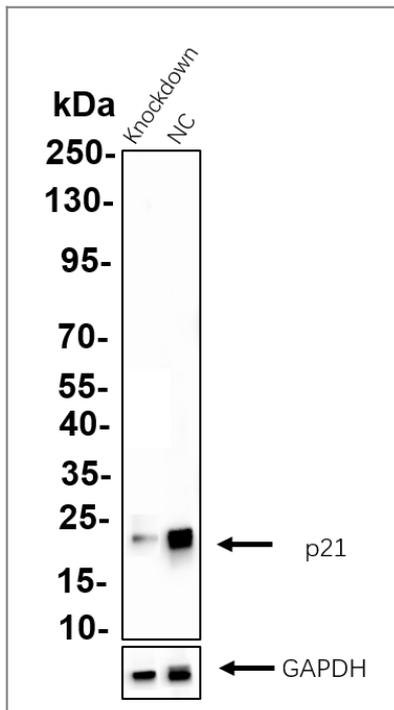
## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-p21 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat womb Lane 2: RAW264.7 Predicted band size: 18kDa Observed band size: 18kDa



Rat skin was stained with anti-p21 rabbit antibody



Western blot analysis of lysates from RAW264.7 WT and knockdown cell. Cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with p21 PT0544R PT Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

## Contact information

Orders: [order.cn@immunoway.com](mailto:order.cn@immunoway.com)  
 Support: [support.cn@immunoway.com](mailto:support.cn@immunoway.com)  
 Telephone: 400-8787-807(China)  
 Website: <http://www.immunoway.com.cn>  
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**p21 (PT0544R) PT™**  
**Rabbit mAb**

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