

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

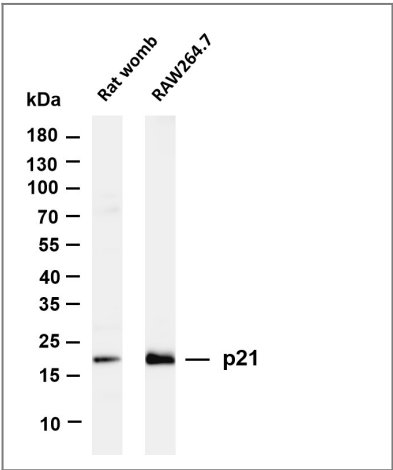
Organism	Gene ID	UniProt ID
Human	1026 ;	P38936 ;
Mouse	12575 ;	P39689 ;

Cellular Localization Nucleus

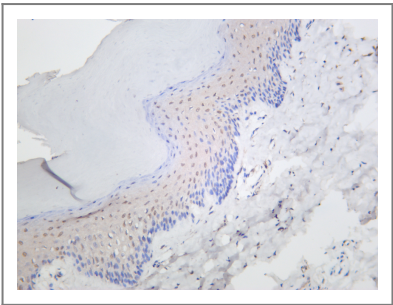
Tissue specificity Expressed in all adult tissues, with 5-fold lower levels observed in the brain.

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.,

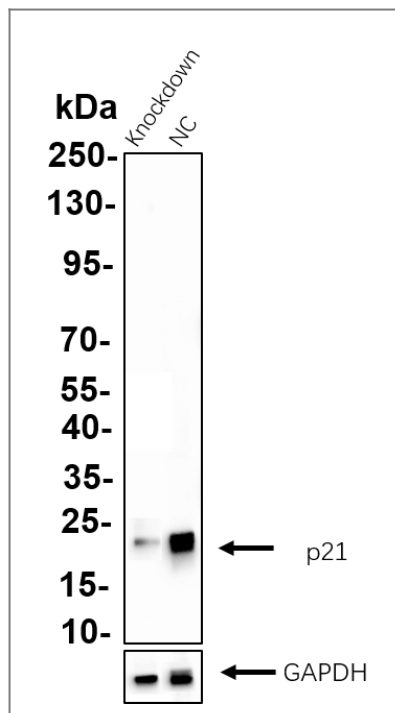
| Validation Data



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

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Please scan the QR code to access additional product information:
p21 (PT0544R) PT™
Rabbit mAb

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