# RB Rabbit mAb

**Catalog NO.: A28033** Recombinant

## Basic Information

### Observed MW
110 kDa

### Calculated MW
106 kDa

### Category
Monoclonal Antibodies

### Applications
WB, IP, IHC-P, ELISA

### Cross-Reactivity
Human

### Conjugation
Unconjugated

### Clone number
ARC76422

## Background

The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma.

## Recommended Dilutions

**WB** 1:5000 - 1:30000

**IP**
0.5 µg - 4 µg antibody for 200 µg - 500 µg extracts of whole cells

**IHC-P** 1:1500 - 1:6000

**ELISA**
Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID
5925

### Swiss Prot
P06400

### Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

### Synonyms
RB; pRb; OSRC; pp110; p105-Rb; PPP1R130; p110-RB1

## Contact

## Product Information

order@abclonal.com
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www.abclonal.com

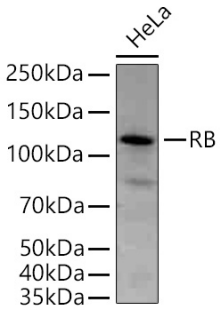
**Source**
Rabbit

**Isotype**
IgG

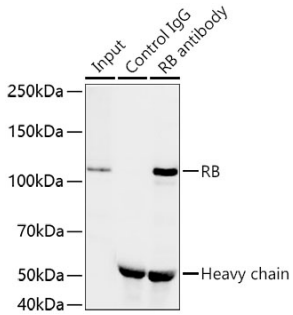
**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

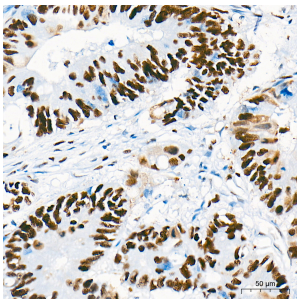
## Validation Data



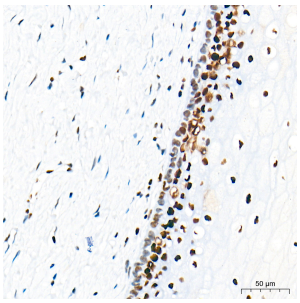

Western blot analysis of lysates from HeLa cells using RB Rabbit mAb (A28033) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



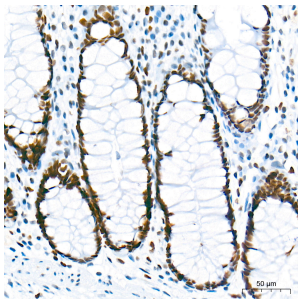

Immunoprecipitation of RB from 300 µg extracts of Raji cells was performed using 2 µg of RB Rabbit mAb (A28033). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using RB Rabbit mAb (A28033) at a dilution of 1:5000.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using RB Rabbit mAb (A28033) at a dilution of 1:5000 (40x lens).



Immunohistochemistry analysis of paraffin-embedded Human cervix tissue using RB Rabbit mAb (A28033) at a dilution of 1:5000 (40x lens). High



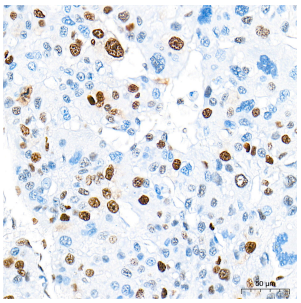
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using RB Rabbit mAb (A28033) at a dilution of 1:5000 (40x lens). High

High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

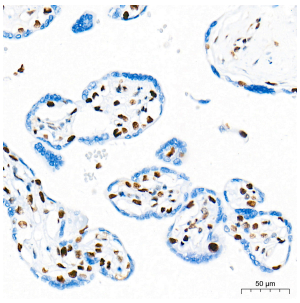
pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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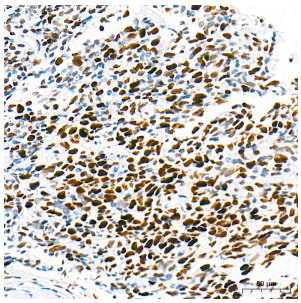
## Validation Data



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using RB Rabbit mAb (A28033) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using RB Rabbit mAb (A28033) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using RB Rabbit mAb (A28033) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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