

# Phospho-RB-S807/811 Rabbit mAb

Catalog No.: AP1541 **Recombinant**

## Basic Information

### Observed MW

110kDa/110KD

### Calculated MW

106kDa

### Category

Primary antibody

### Applications

WB,IP,ELISA

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC3336

## 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** 1:1000 - 1:2000

**IP** 0.5µg-4µg antibody for  
400µg-800µg extracts of  
whole cells

**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

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

RB; pRb; OSRC; pp110; p105-Rb; PPP1R130; p110-RB1; Phospho-RB-S807/811

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

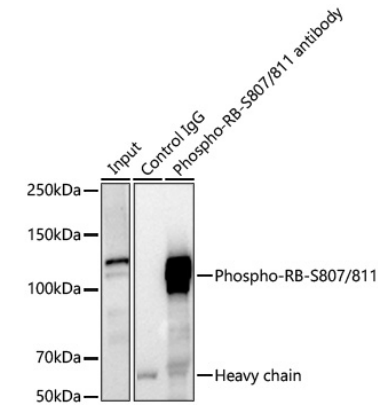
Affinity purification

### Storage

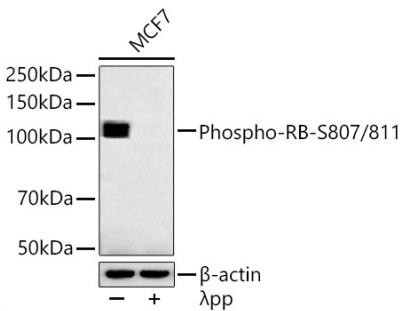
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

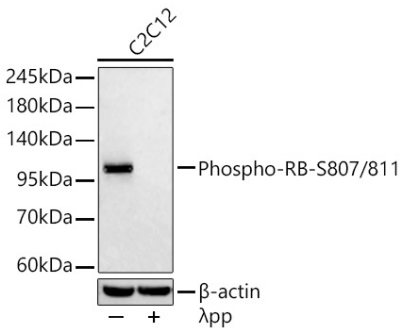
Validation Data



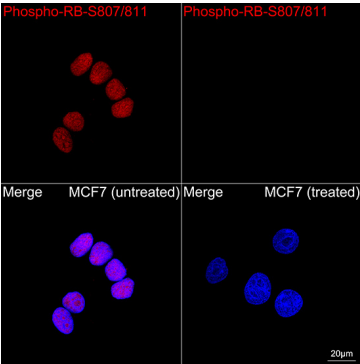
Immunoprecipitation of Phospho-RB-S807/811 from 900 µg extracts of MCF7 cells was performed using 1 µg of Phospho-RB-S807/811 Rabbit mAb (AP1541). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-RB-S807/811 Rabbit mAb (AP1541) at a dilution of 1 : 1000.



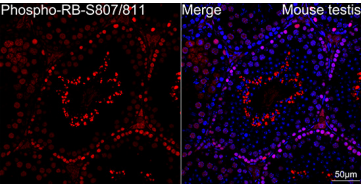
Western blot analysis of lysates from MCF7 cells using Phospho-RB-S807/811 Rabbit mAb (AP1541) at 1:1000 dilution incubated overnight at 4°C. MCF7 cells were treated by λ-PP mixed solution (1µl) at 30°C for 30 minutes.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 30 µg per lane.  
Blocking buffer: 3 % nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.



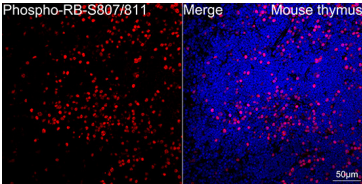
Western blot analysis of lysates from C2C12 cells using Phospho-RB-S807/811 Rabbit mAb (AP1541) at 1:1000 dilution incubated overnight at 4°C. C2C12 cells were treated by λ-PP mixed solution (1µl) at 30°C for 30 minutes.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 30 µg per lane.  
Blocking buffer: 3 % nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Confocal imaging of MCF7 cells (treated with



Confocal imaging of paraffin-embedded



Confocal imaging of paraffin-embedded

## Validation Data

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λPP) and MCF7 cells (untreated) cells using Phospho-RB-S807/811 Rabbit mAb (AP1541, dilution 1:800) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Mouse testis tissue using Phospho-RB-S807/811 Rabbit mAb (AP1541, dilution 1:800) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Mouse thymus tissue using Phospho-RB-S807/811 Rabbit mAb (AP1541, dilution 1:800) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.