# Phospho-RB-S780 Rabbit pAb

Catalog No.: AP0444 4 Publications



# **Basic Information**

## **Observed MW**

100kDa

#### **Calculated MW**

106kDa

## Category

Primary antibody

## **Applications**

WB,IHC-P,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

# **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** 1:500 - 1:2000

IHC-P 1:50 - 1:200

 $\begin{array}{c} \textbf{ELISA} & \text{Recommended starting} \\ & \text{concentration is 1 } \mu\text{g/mL}. \end{array}$ 

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-S780

## **Contact**

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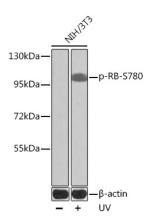
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

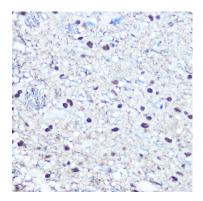
#### Storage

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

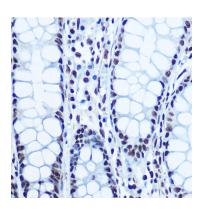
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



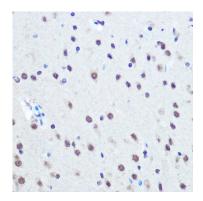
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-RB-S780 Rabbit pAb (AP0444) at dilution. NIH/3T3 cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane. Blocking buffer: 3% BSA.



Immunohistochemistry analysis of paraffinembedded Rat brain using Phospho-RB-S780 Rabbit pAb (AP0444) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human colon using Phospho-RB-S780 Rabbit pAb (AP0444) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse brain using Phospho-RB-S780 Rabbit pAb (AP0444) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.