

RB Rabbit pAb

Catalog NO.: A0003 **KO Validated** 7 Publications

Basic Information

Observed MW

110 kDa

Calculated MW

106 kDa

Category

Polyclonal Antibodies

Applications

WB, IP, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Human

Conjugation

Unconjugated

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 - 1:5000

IP

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

IF/ICC 1:50 - 1:200

IHC-P 1:1500 - 1:6000

ELISA

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

Contact

Immunogen Information

Gene ID

5925

Swiss Prot

P06400

Immunogen

This information is considered to be commercially sensitive.

Synonyms

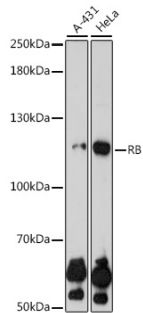
RB; pRb; OSRC; pp110; p105-Rb; PPP1R130; p110-RB1

Product Information

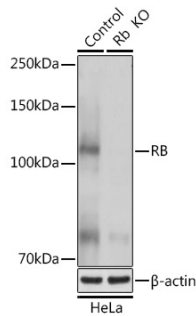
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.		

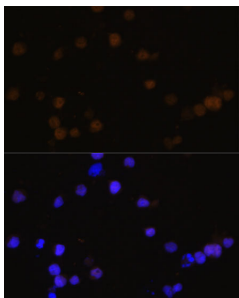
Validation Data



Western blot analysis of various lysates using [KO Validated] RB Rabbit pAb (A0003) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Western blot analysis of lysates from wild type (WT) and RB knockout (KO) HeLa cells, using [KO Validated] RB Rabbit pAb (A0003) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunofluorescence analysis of Y79 cells using [KO Validated] RB Rabbit pAb (A0003) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.