**Product Name: KD-Validated Phospho-Retinoblastoma (S807) Recombinant Rabbit Monoclonal Antibody**
**Catalog #: KVAb01334**
For research use only.

## Summary

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|---|---|
| **Description** | KO&KD-Validated antibody |
| **Host** | Rabbit |
| **Application** | WB,FCM,ICC |
| **Reactivity** | Human,Mouse,Rat |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Rabbit IgG |
| **Clonality** | Rabbit mAb |
| **Form** | Liquid |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Purification** | Affinity purification |

## Application

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|---|---|
| **Dilution Ratio** | WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| **Molecular Weight** | Calculated MW: 106.2kDa |

## Antigen Information

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|---|---|
| **Gene Name** | RB1 |
| **Alternative Names** | RB1; RB Transcriptional Corepressor 1; PPP1R130; RB; Protein Phosphatase 1, Regulatory Subunit 130; Prepro-Retinoblastoma-Associated Protein; Retinoblastoma-Associated Protein; Retinoblastoma 1; P110-RB1; P105-Rb; Pp110; OSRC; PRb; Retinoblastoma Suspectibility Protein; Osteosarcoma; Rb |
| **Gene ID** | 5925.0 |
| **SwissProt ID** | P06400 |
| **Immunogen** | A synthesized peptide derived from human Phospho-Retinoblastoma (S807) |

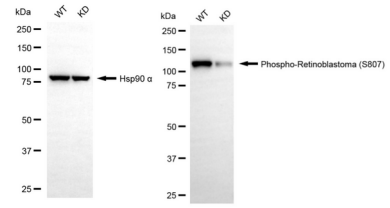
## Background

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. [provided by RefSeq, Jul 2008]

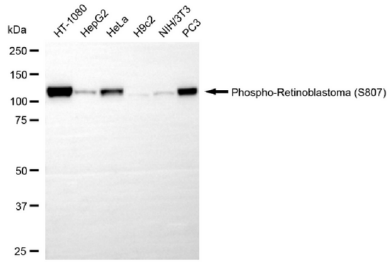
## Research Area

Epigenetics and Nuclear Signaling,Developmental Biology

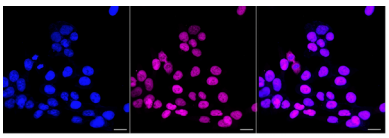
## Image Data



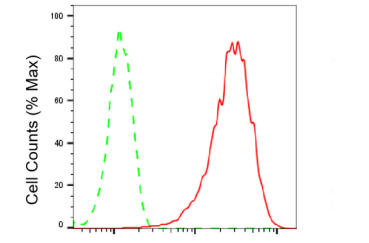

Western blotting analysis using phospho-retinoblastoma (S807) antibody (KVAb01334). Phospho-retinoblastoma (S807) expression in wild-type (WT) and RB1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-retinoblastoma (S807) antibody (KVAb01334, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.




Western blotting analysis using phospho-retinoblastoma (S807) antibody (KVAb01334). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-retinoblastoma (S807) antibody (KVAb01334, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Phospho-Retinoblastoma (S807) antibody (KVAb01334, 1:1,000). Nuclei were stained blue with DAPI; Phospho-Retinoblastoma (S807) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.




Phospho-Retinoblastoma (S807)-Alexa Fluor® 647

Flow cytometric analysis of Phospho-Retinoblastoma (S807) expression in HAP-1 cells using Phospho-Retinoblastoma (S807) antibody (KVAb01334, 1:2,000). Green, isotype control; red, Phospho-Retinoblastoma (S807).