

Anti-Phospho-Rb (Ser608) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

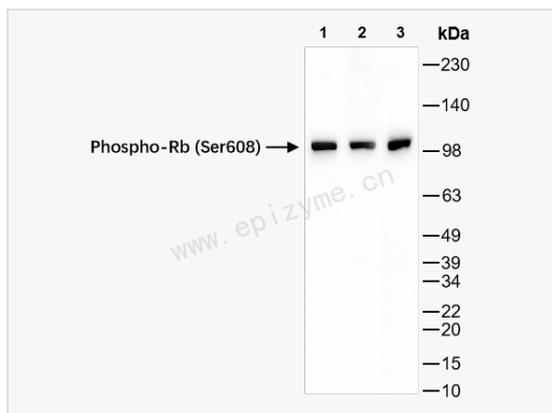
Catalog # R011541

Product Information

| | |
|-------------|--|
| Application | WB, ELISA |
| Reactivity | Human, Rat |
| Dilution | WB 1:1,000~1:5,000 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 89K02M77 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic phosphopeptide corresponding to residues surrounding Ser608 of human Rb |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Phospho-Rb (Ser608) Rabbit mAb [89K02M77] is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

| | |
|-------------------|--|
| Synonyms | RB_HUMAN; Retinoblastoma-associated protein; RB1; p105-Rb; p110-RB1; pRb (Rb); pp110; RB transcriptional corepressor 1; pRb; OSRC; PPP1R130; Retinoblastoma. |
| Calculated MW | Calculated MW: 106 kDa; Observed MW: 106 kDa |
| Uniprot ID | P06400 |
| Gene ID | 5925 |
| 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] |
| Cellular Location | Nucleus Cytoplasm During keratinocyte differentiation, acetylation by KAT2B/PCAF is required for nuclear localization (PubMed:20940255). Localizes to the cytoplasm when hyperphosphorylated (By similarity). |
| Tissue Location | Expressed in the retina. Expressed in foreskin keratinocytes (at protein level) (PubMed:20940255). |



Western Blot - Anti-Phospho-Rb (Ser608) Rabbit mAb [89K02M77]

All lanes: R011541 at 1:5,000 dilution

Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 2: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 3: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 106 kDa

Observed band size: 106 kDa

Developed using the ECL technique (Cat. No. SQ201).