

**Product Name: Phospho-Rb (Thr252) Rabbit Monoclonal antibody**  
**Catalog #: AMRe02873**

---

## Summary

|                        |                                                |
|------------------------|------------------------------------------------|
| <b>Production Name</b> | Phospho-Rb (Thr252) Rabbit Monoclonal antibody |
| <b>Description</b>     | Recombinant Rabbit Monoclonal antibody         |
| <b>Host</b>            | Rabbit                                         |
| <b>Application</b>     | WB,IHC-P                                       |
| <b>Reactivity</b>      | Human,Rat                                      |

## Performance

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                         |
| <b>Modification</b> | Phosphorylated                                                                                       |
| <b>Isotype</b>      | IgG                                                                                                  |
| <b>Clonality</b>    | Monoclonal Antibody                                                                                  |
| <b>Form</b>         | Liquid                                                                                               |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.             |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| <b>Purification</b> | Affinity Purified                                                                                    |

## Immunogen

|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| <b>Gene Name</b>         | RB1                                                             |
| <b>Alternative Names</b> | RB1; Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110 |
| <b>Gene ID</b>           | 5925                                                            |
| <b>SwissProt ID</b>      | P06400.                                                         |

## Application

|                         |                                              |
|-------------------------|----------------------------------------------|
| <b>Dilution Ratio</b>   | WB: 1:500-1:1000 IHC: 1:50-1:100             |
| <b>Molecular Weight</b> | Calculated MW: 106 kDa; Observed MW: 110 kDa |

**Product Name: Phospho-Rb (Thr252) Rabbit Monoclonal antibody**  
**Catalog #: AMRe02873**

---

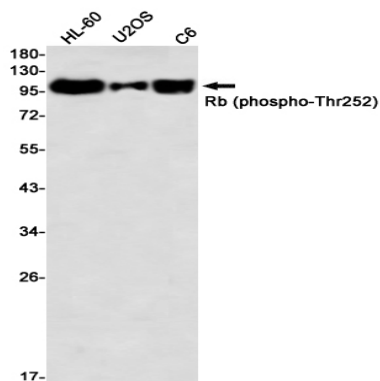
## Background

Cell cycle-dependent phosphorylation by a CDK inhibits Rb target binding and allows cell cycle progression. Rb inactivation and subsequent cell cycle progression likely requires an initial phosphorylation by cyclin D-CDK4/6 followed by cyclin E-CDK2 phosphorylation. Specificity of different CDK/cyclin complexes has been observed in vitro and cyclin D1 is required for Ser780 phosphorylation in vivo.

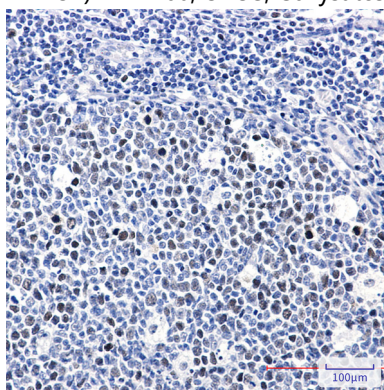
## Research Area

Cell Biology

## Image Data



Western blot analysis of Rb (Phospho-Thr252) in HL-60, U2OS, C6 lysates using Phospho-Rb (Thr252) antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Rb (Phospho-Thr252) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.