

## Rabbit RB1 Polyclonal Antibody | anti-RB1 antibody

RB1 Antibody (C-term)

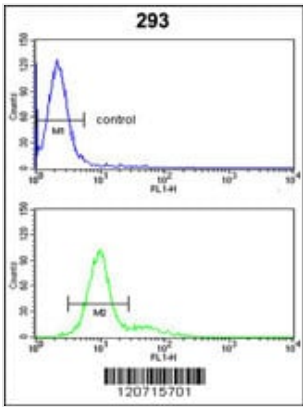
| CATALOG # | HOST   | REACTIVITY                        | APPLICATIONS                                                                |
|-----------|--------|-----------------------------------|-----------------------------------------------------------------------------|
| AAA290072 | Rabbit | Human (Predicted Reactivity: Rat) | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

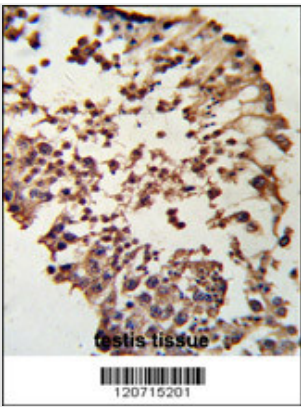
RB1; Polyclonal Antibody; RB1 Antibody (C-term); Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110; anti-RB1 antibody

### PRODUCT SPECIFICATIONS

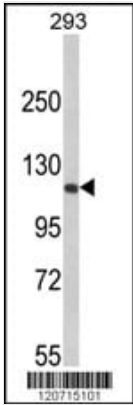
|                                               |                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                    |
| Reactivity                                    | Human (Predicted Reactivity: Rat)                                                                                                                                                         |
| Clonality                                     | Polyclonal                                                                                                                                                                                |
| Isotype                                       | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                   | This RB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 858-886 amino acids from the C-terminal region of human RB1.                        |
| Purity/Purification                           | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                   | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                 | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                            | 858-886                                                                                                                                                                                   |
| Sequence Length                               | 928                                                                                                                                                                                       |
| Applicable Applications for anti-RB1 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                           |
| Antigen Type                                  | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                       | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



**FCM/FACS (Flow Cytometry)**  
RB1 Antibody (C-term) flow cytometric analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human testis tissue reacted with RB1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of RB1 Antibody (C-term) in 293 cell line lysates (35ug/lane). RB1 (arrow) was detected using the purified Pab.(2ug/ml)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RB1 antibody | RB1 is a negative regulator of the cell cycle and was the first tumor suppressor gene found. This protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. |
| Product Categories/Family for anti-RB1 antibody   | Cancer; Cell biology                                                                                                                                                                                                                                                                    |
| References                                        | Connell-Crowley,L., et.al., Mol. Biol. Cell 8 (2), 287-301 (1997)<br>Kitagawa,M., et.al., EMBO J. 15 (24), 7060-7069 (1996)                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                           |                                        |
|---------------------------|----------------------------------------|
| NCBI GI #                 | 108773787                              |
| NCBI GeneID               | 5925                                   |
| NCBI Accession #          | NP_000312.2                            |
| NCBI GenBank Nucleotide # | NM_000321.2                            |
| UniProt Accession #       | P06400; P78499; Q5VW46; Q8IZL4; A8K5E3 |
| Molecular Weight          | 106159                                 |

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI Official Full Name          | retinoblastoma-associated protein       |
| NCBI Official Synonym Full Names | retinoblastoma 1                        |
| NCBI Official Symbol             | RB1                                     |
| NCBI Official Synonym Symbols    | RB; pRb; OSRC; pp110; p105-Rb; PPP1R130 |
| NCBI Protein Information         | retinoblastoma-associated protein       |
| UniProt Protein Name             | Retinoblastoma-associated protein       |
| UniProt Gene Name                | <b>RB1</b>                              |
| UniProt Synonym Gene Names       | Rb                                      |
| UniProt Entry Name               | RB_HUMAN                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rb1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290072>