

## Datasheet

### RB1 (phospho S780) polyclonal antibody

**Catalog Number:** PAB29613

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic phosphopeptide of human RB1.

**Immunogen:** A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S780 of human RB1.

**Host:** Rabbit

**Theoretical MW (kDa):** 110

**Reactivity:** Human, Mouse, Rabbit

**Applications:** IF, IHC-P, WB-Ce  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** RB1 (phospho S780) polyclonal antibody detects endogenous level of RB1 only when phosphorylated at serine 780.

**Form:** Liquid

**Purification:** Affinity Chromatography

**Recommend Usage:** Immunofluorescence (1:100-1:200)  
Immunohistochemistry (1:50-1:100)  
Western Blot (1:500-1:1000)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5925

**Gene Symbol:** RB1

**Gene Alias:** OSRC, RB, p105-Rb, pRb, pp110

**Gene Summary:** 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]