

---

**Product Name: RB1 Mouse Monoclonal Antibody****Catalog #: AMM81296**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	106.2kDa

**Antigen Information**

<b>Gene Name</b>	RB1
<b>Alternative Names</b>	RB; pRb; OSRC; pp110; p105-Rb
<b>Gene ID</b>	5925.0
<b>SwissProt ID</b>	P06400
<b>Immunogen</b>	Purified recombinant fragment of human RB1 (AA: 2106-2784) expressed in E. Coli.

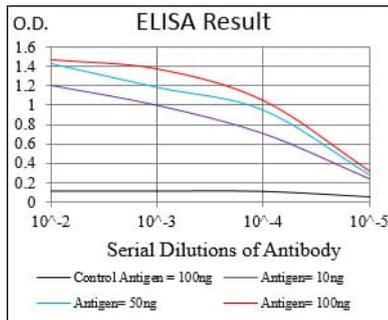
**Background**

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

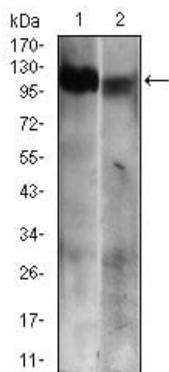
retinoblastoma (RB), bladder cancer, and osteogenic sarcoma.

## Research Area

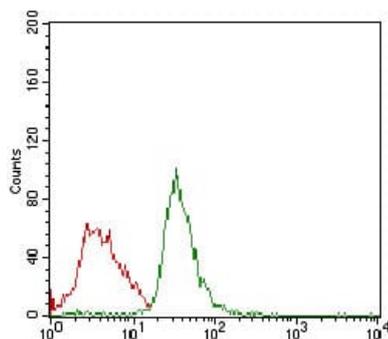
## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using RB1 mouse mAb against Jurkat (1) and A431 (2) cell lysate.



Flow cytometric analysis of Jurkat cells using RB1 mouse mAb (green) and negative control (red).