

# RB Antibody

Purified Mouse Monoclonal Antibody  
Catalog # AO1031a

## Product Information

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<b>Application</b>	IHC, E
<b>Primary Accession</b>	<a href="#">P06400</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	7E4B8
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	106159 Da
<b>Description</b>	The Rb protein regulates differentiation, apoptosis, and cell cycle control by coordinating the cell cycle at G1-S with transcriptional machinery. During G1, cyclin D-dependent kinase-mediated phosphorylation of Rb at Ser-795 marks the conversion of Rb from a transcriptionally repressive, hypophosphorylated state to an inactive, phosphorylated state, which may be sustained through mitosis by differential phosphorylation of up to 16 putative serine or threonine residues. Pediatric cancer retinoblastoma and the formation of other human tumors can be attributed to mutations in the retinoblastoma tumor suppressor gene(Rb).
<b>Immunogen</b>	Purified recombinant fragment of human RB expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Other Names</b>	Retinoblastoma-associated protein, p105-Rb, pRb, Rb, pp110, RB1
<b>Dilution</b>	IHC~~1/200 - 1/1000 E~~N/A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	RB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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## References

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1. Oncogene 19: 562-570. 2. Cell 81: 323-330.

## Images

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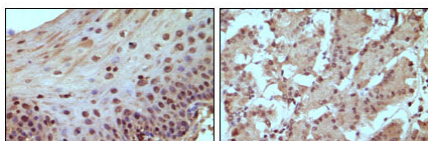


Figure 1: Immunohistochemical staining of paraffin-embedded human normal esophagus (A) and stomach (B) tissue, showing nucleus localization using Rb mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.