

## Rb Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA1094
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human Rb expressed in E. Coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Retinoblastoma-associated protein
<b>Synonyms</b>	RB1; Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

### Recommended Dilution

ELISA: 1:10000

IHC: 1:200 - 1:1000

Not yet tested in other applications.

### Images

Immunohistochemistry staining of paraffin-embedded human normal esophagus (A) and stomach (B) tissue, showing nucleus localization with DAB staining using Rb Monoclonal antibody.

### Storage

-20°C for one year