



## RB Mouse Monoclonal Antibody

E10-20032

**Background:** 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).

**Catalog Number:** E10-20032

**Amount:** 100µg/100µl

**Clone Number:** 7E4B8

**Species:** Mouse IgG1

**Aliases:** RB; pRb; OSRC; pp110; p105-Rb; RB1

**Entrez Gene:** 5925

**Immunogen:** Purified recombinant fragment of human RB expressed in E. Coli.

**Storage:** Store at 4°C, for long term storage, store at -20°C

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human

**Tested Applications:** IHC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** IHC.1/200 - 1/1000, ELISA. Propose dilution 1/10000.

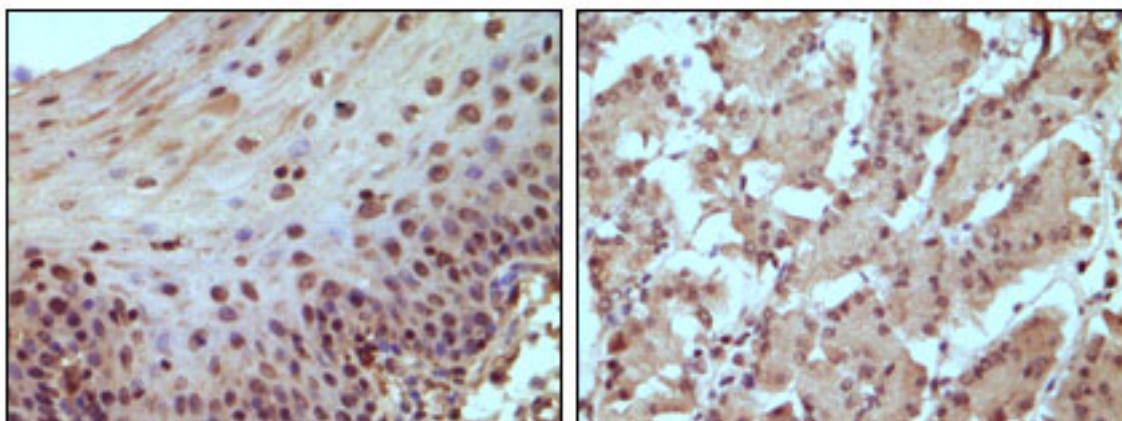


Figure 1. Immunohistochemical staining of paraffin-embedded human normal esophagus (A) and stomach (B) tissue, showing nucleus localization using Rb mouse mAb with DAB staining.