

## 36-3083: Anti-Rb1 (Tumor Suppressor Protein) Monoclonal Antibody(Clone: 1F8)

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | 1F8  |
| <b>Application :</b>           | WB,IP,IHC  |
| <b>Reactivity :</b>            | Human, Mouse   |
| <b>Gene :</b>                  | RB1  |
| <b>Gene ID :</b>               | 5925   |
| <b>Uniprot ID :</b>            | P06400   |
| <b>Alternative Name :</b>      | OSRC; Osteosarcoma; p105-Rb; PP105; pp110; pRb; Prepro retinoblastoma associated protein; RB1; Retinoblastoma 1; Retinoblastoma-associated protein |
| <b>Isotype :</b>               | Mouse IgG1, kappa  |
| <b>Immunogen Information :</b> | Recombinant human Rb1 protein fragment of 283 amino acid residues.   |

### Description

Recognizes a 105kDa phosphoprotein, identified as retinoblastoma (Rb) gene product. Its epitope is localized between aa 703-772. It shows no cross reaction with p107 or p130. It specifically stains the nuclei of BT-20 cells and primary human foreskin fibroblast (HFF) cells. It does not stain the Rb-negative BT549 cells. It reacts with the hyperphosphorylated as well as the un (under) phosphorylated form of the Rb protein. Retinoblastoma gene product plays a key role in cell cycle control. It has been identified as a tumor suppressor gene whose loss of its function leads to tumor development. It is widely expressed in a variety of human tissues including breast, esophageal, squamous cell and cervical carcinoma.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| <b>Storage condition :</b> | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.                               |

### Application Note

Western Blot (1-2ug/ml); Immunoprecipitation (1-2ug/500ug protein lysate);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

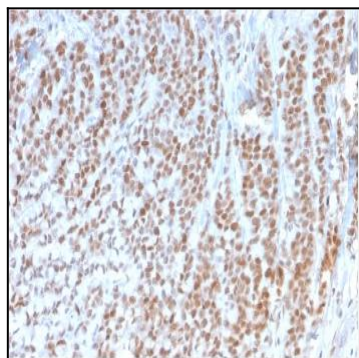


Fig. 1: Formalin-fixed, paraffin-embedded human Colon stained with Retinoblastoma (Rb1) Monoclonal Antibody (1F8).

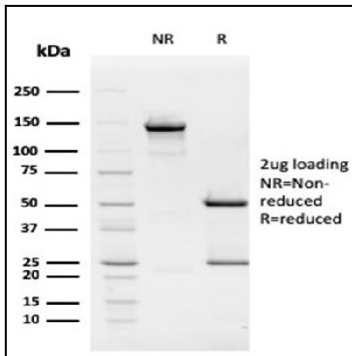


Fig. 2: SDS-PAGE Analysis Purified Retinoblastoma (Rb1) Monoclonal Antibody (1F8). Confirmation of Integrity and Purity of Antibody