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36-3084: Anti-Rb1 (Tumor Suppressor Protein) Monoclonal Antibody(Clone: SPM353)

Monoclonal Clonality: SPM353 Clone Name: Application: WB.IP.IHC Reactivity: Human, Mouse

Gene: RB1 Gene ID: 5925 **Uniprot ID:** P06400

OSRC; Osteosarcoma; p105-Rb; PP105; pp110; pRb; Prepro retinoblastoma associated protein; **Alternative Name:**

RB1; Retinoblastoma 1; Retinoblastoma-associated protein

Isotype: Mouse IgG1, kappa

Immunogen Information: 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

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with Content:

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is Storage condition:

stable for 24 months. Non-hazardous.

Application Note

Western Blot (1-2ug/ml); Immunoprecipitation (0.5-1ug/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°C followed by cooling at RT for 20 minutes):

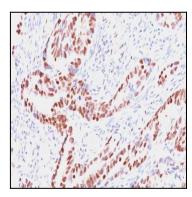


Fig. 1: Formalin-fixed, paraffin-embedded human Colon stained with Retinoblastoma (Rb1) Monoclonal Antibody (SPM353).