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Datasheet

RB1 monoclonal antibody, clone 4G2

Catalog Number: MAB2163

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against partial recombinant RB1.

Clone Name: 4G2

Immunogen: Recombinant protein corresponding to amino acids 41-330 of RB1.

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC, IP, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody recognizes an epitope within aa 41-330 of RB1.

Form: Liquid

Isotype: IgG1

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5925

Gene Symbol: RB1

Gene Alias: OSRC, RB, p105-Rb, pRb, pp110

Gene Summary: 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. [provided by RefSeq]

References:

1. Retinoblastoma protein monoclonal antibodies with novel characteristics. Wen SF, Nodelman M, Nared-Hood K, Duncan J, Geradts J, Shepard HM. J Immunol Methods. 1994 Mar 10;169(2):231-40.