

Monoclonal Mouse Antibody to Human Retinoblastoma Gene Protein (Rb)

Catalog No.:	PDM 111
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	Recombinant human Rb protein.
Clone:	1F8
Isotype:	IgG1, Kappa
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded and acetone fixed cryostat tissue sections. No further titration is required.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 1mM EDTA buffer, pH 8.0 prior to immunostaining.</u>
Specificity:	This antibody recognizes human retinoblastoma gene protein. Rb gene, a prototype of tumor suppressor genes has been associated with development and/or progression of bladder cancer as well as sarcoma and small cell lung cancer. Functional Rb gene loss has been reported to occur in bladder cancer and osteosarcoma. A significantly poorer tumor-free survival rate was noted for those patients who had a tumor with an altered Rb protein with or without vascular invasion.
Positive Control:	Colon carcinoma
Cellular Localization:	Nuclear
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) DeCaprio et al Cell 54: 275, 1988. ii) Nihei et al. Cancer Res 53: 1702, 1993. iii) Wang et al. Oncogene 8: 279, 1993. iv) Weintraub et al. Nature 358: 259, 1992.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

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