

Mouse anti-Retinoblastoma Gene Protein, clone 13A10 (monoclonal)

Clone no. 13A10

MONXtra

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Product name	Mouse anti-Retinoblastoma Gene Protein, clone 13A10 (monoclonal)
Host	Mouse
Applications	IHC-P (1:25-1:50), IHC-fr, WB (1:250)
Species reactivity	human
Conjugate	-
Immunogen	Recombinant prokaryotic protein corresponding to a portion of the N-terminal region of the retinoblastoma gene product.
Isotype	IgG1
Clonality	Monoclonal
Clone number	13A10
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tissue culture supernatant with 15mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Retinoblastoma (Rb) is a rare tumor of the retina associated with mutations of chromosome 13. The nuclear phosphoprotein encoded by the Rb tumor suppressor gene is present in many cells and may indirectly regulate cell growth by activating the transcription factor ATF-2. Activation of ATF-2 initiates expression of TGF-beta2, which in turn inhibits transcription of genes affecting cell growth. Bilateral mutation of the Rb gene may potentially play a role in the development of a number of malignant tumors.

**References**

1. Jares P et al. Journal of Pathology. 182: 160-166 (1997)
2. Karpeh MS et al. British Journal of Cancer. 72: 986-991 (1995)
3. Stefanini M et al. Nature. 216: 173-174 (1967)
4. Bartek J et al. Oncogene. 7: 101-108 (1992)
5. Sanders BM et al. British Journal of Cancer. 60: 358-365 (1989)

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