

Product datasheet for **TA805656**

Rb (RB1) Mouse Monoclonal Antibody [Clone ID: OTI3F11]

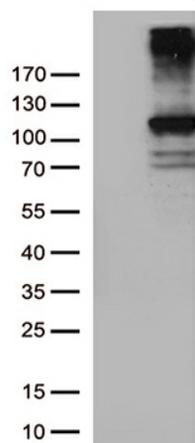
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F11
Applications:	IHC, WB
Recommend Dilution:	WB 1:200, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 309-590 of human RB1(NP_000312) produced in E.coli.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Gene Name:	RB transcriptional corepressor 1
Database Link:	NP_000312 Entrez Gene 5925 Human
Background:	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, Jul 2008]
Synonyms:	OSRC; p105-Rb; pp110; PPP1R130; pRb; RB
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Bladder cancer, Cell cycle, Chronic myeloid leukemia, Glioma, Melanoma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Small cell lung cancer

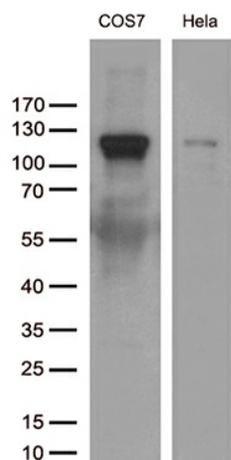


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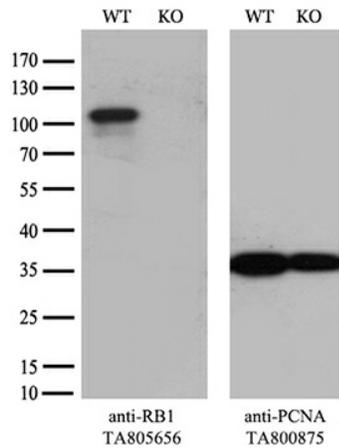
Product images:



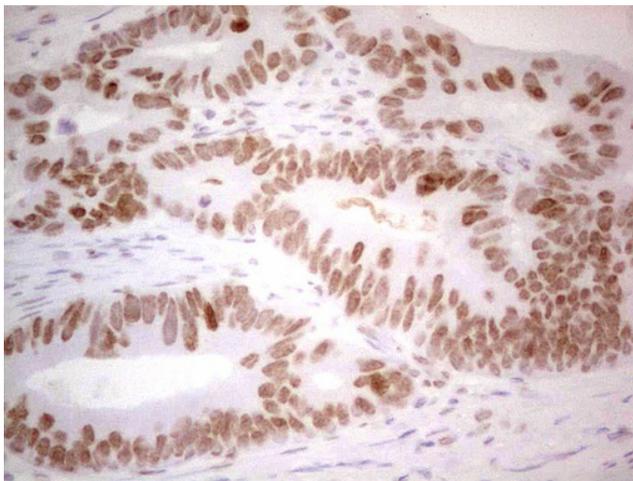
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RB1 ([RC206933], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RB1 mouse monoclonal antibody. 1:500



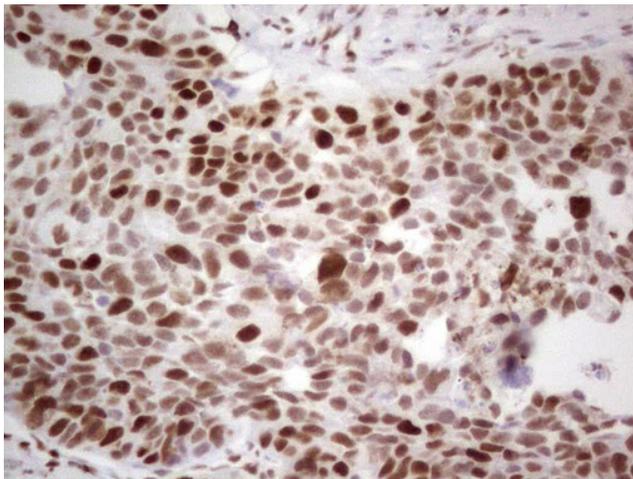
Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-RB1 monoclonal antibody. 1:400



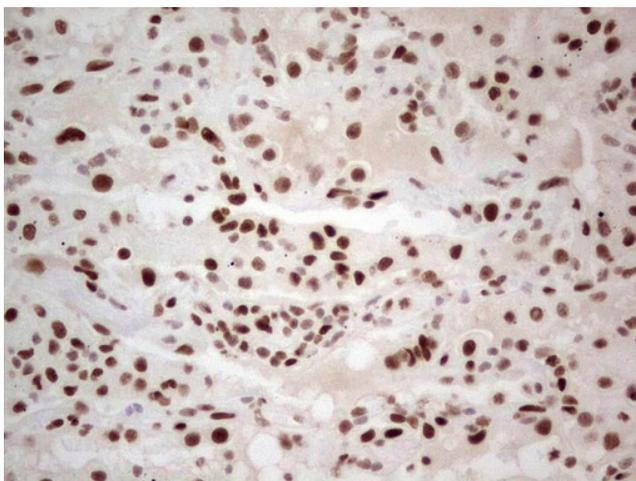
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and RB1-Knockout HeLa cells (KO, Cat# [LC810199]) were separated by SDS-PAGE and immunoblotted with anti-RB1 monoclonal antibody TA805656 (1:250). Then the blotted membrane was stripped and reprobred with anti-PCNA antibody as a loading control.



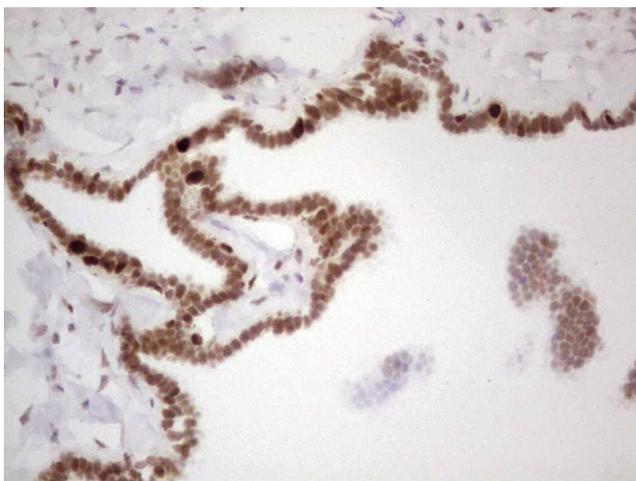
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-RB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805656)



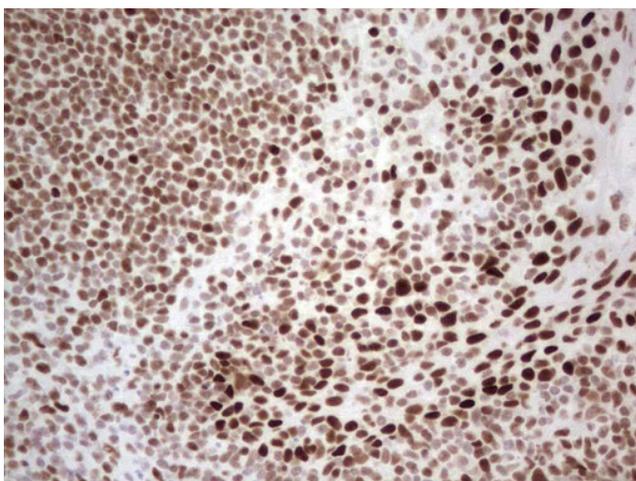
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-RB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805656)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-RB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805656)



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-RB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805656)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805656)