

Rb Monoclonal Antibody (1F8 (Rb1)), Biotin

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse
Published Species	Rat, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1F8 (Rb1)
Conjugate	Biotin
Immunogen	Recombinant human Rb protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10979886

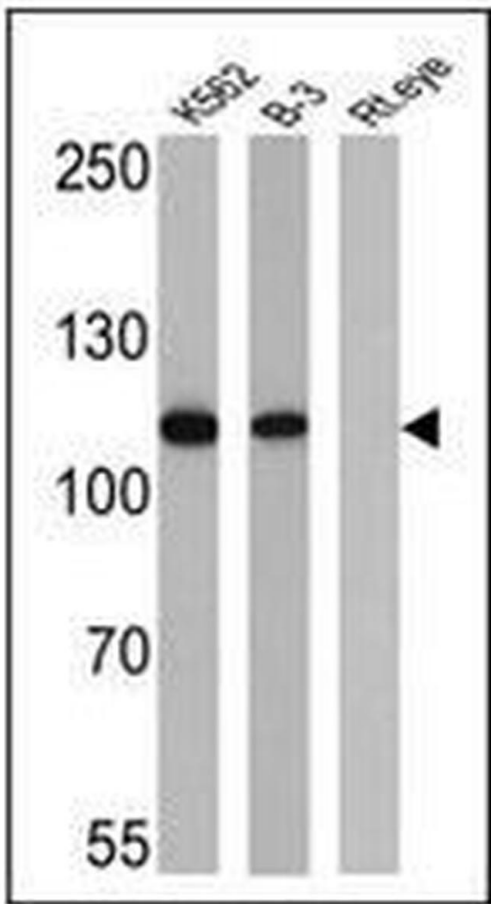
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	5 Publications
Immunohistochemistry (IHC)	-	11 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	1:10-1:200	1 Publication
Flow Cytometry (Flow)	Assay-dependent	-
Immunoprecipitation (IP)	2 µg/mL	-

Product Specific Information

MA5-11384 targets Retinoblastoma in FACS, ICC/IF, IHC (P), IP, and WB applications and shows reactivity with Human and Mouse samples.

The MA5-11384 immunogen is recombinant human Rb protein.

Product Images For Rb Monoclonal Antibody (1F8 (Rb1)), Biotin

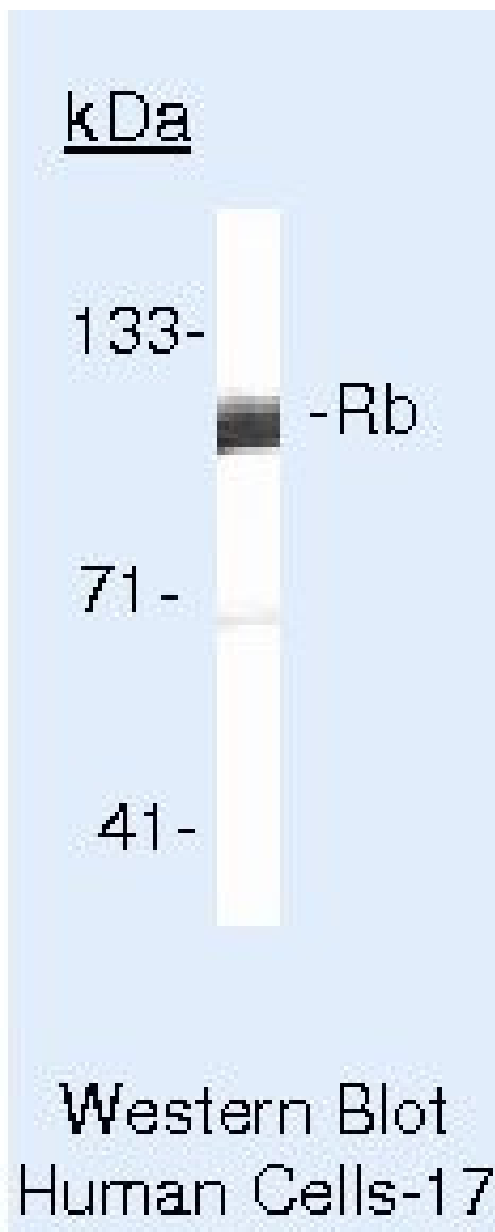


Rb Antibody (MA5-11384) in WB

Western blot analysis of Retinoblastoma was performed by loading 25 μ g of K562 (Lane 1), B-3 (Lane 2) and rat eye (Lane 3) cell lysates onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a Retinoblastoma monoclonal antibody (Product # MA5-11387) at a dilution of 1:100 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at approx. 110 kDa in K562 and B-3 cells.

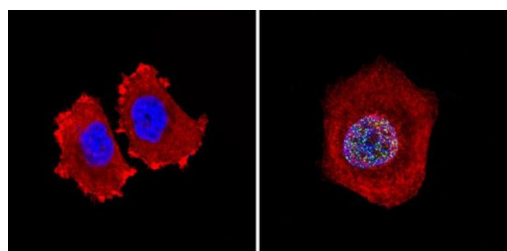
Rb Antibody (MA5-11384) in WB

Western blot of Retinoblastoma using Retinoblastoma Monoclonal Antibody (Product # MA5-11384) on LS174T Cells.



Rb Antibody (MA5-11384) in ICC/IF

Immunofluorescent analysis of Retinoblastoma (green) showing staining in the nucleus of MCF-7 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Retinoblastoma monoclonal antibody (Product # MA5-11387) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



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Western Blot (5)

<p>International journal of cancer</p> <p>HFE polymorphisms influence the response to chemotherapeutic agents via induction of p16INK4A.</p> <p>"MA5-11384 was used in western blot to study the role of p16INK4A in the mechanism by which HFE polymorphisms affect the response of cancer cells to chemotherapy"</p> <p>Authors: Lee SY,Liu S,Mitchell RM,Slagle-Webb B,Hong YS,Sheehan JM,Connor JR</p>	<p>Year 2011</p> <p>Species Human</p> <p>Dilution 1:200</p>
<p>Cellular immunology</p> <p>The inhibition of T-cells proliferation by mouse mesenchymal stem cells through the induction of p16INK4A-cyclin D1/cdk4 and p21waf1, p27kip1-cyclin E/cdk2 pathways.</p> <p>"MA5-11384 was used in western blot to study the molecular mechanisms by which mesenchymal stem cells inhibit T cell proliferation"</p> <p>Authors: Kim JA,Hong S,Lee B,Hong JW,Kwak JY,Cho S,Kim CC</p>	<p>Year 2007</p> <p>Species Mouse</p>

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Immunohistochemistry (11)

<p>Lung cancer (Amsterdam, Netherlands)</p> <p>Human papilloma virus genome is rare in North American non-small cell lung carcinoma patients.</p> <p>"MA5-11384 was used in immunohistochemistry to study the lack of association of HPV with non-small cell lung cancer in Canadian and North American populations"</p> <p>Authors: Yanagawa N,Wang A,Kohler D,Santos Gda C,Sykes J,Xu J,Pintilie M,Tsao MS</p>	<p>Year 2013</p> <p>Species Human</p>
<p>Journal of cellular physiology</p> <p>Alteration of G1/S transition regulators influences recurrences in head and neck squamous carcinomas.</p> <p>"MA5-11384 was used in immunohistochemistry to study the role of the G1/S transition regulators in the recurrence of head and neck squamous carcinomas"</p> <p>Authors: Canzonieri V,Barzan L,Franchin G,Vaccher E,Talamini R,Sulfaro S,Baldassarre G</p>	<p>Year 2012</p> <p>Species Human</p>

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ICC/IF (1)

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