

Rb Monoclonal Antibody (XZ133)

Catalog NumberMA5-13653

Product data sheet

| Details | | Species Reactivity | |
|--------------------|---|--|--------------------------|
| Size | 500 µL | Species reactivity | Chicken, Human, Mouse |
| Host/Isotope | Mouse / IgG1 | Published species | Mouse |
| Class | Monoclonal | Tested Applications | Dilution * |
| Type | Antibody | Immunoprecipitation (IP) | 2 µg/mL |
| Clone | XZ133 | Immunocytochemistry (ICC/IF) | Assay-dependent |
| Immunogen | Recombinant human Rb protein corresponding to amino acids 387-928 | Published Applications | |
| Conjugate | Unconjugated | Western Blot (WB) | See 1 publications below |
| Form | Liquid | * Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls. | |
| 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 | | |

Product specific information

MA5-13653 targets Retinoblastoma in IF and IP applications and shows reactivity with Chicken, Human, and mouse samples. The MA5-13653 immunogen is recombinant human Rb protein corresponding to amino acids 387-928.

Background/Target Information

Rb is a tumor suppressor nuclear phosphoprotein capable of binding to DNA. It is phosphorylated on serine and threonine, but not on tyrosine residues. It forms a complex with SV40 large T antigen, adenovirus E1A, and human papilloma virus-16 E. Rb protein may act by regulating transcription and loss of its function leads to uncontrolled cell growth. Aberrations in the RB gene have been implicated in cancers of breast, colon, prostate, kidney, nasopharynx, and leukemia.

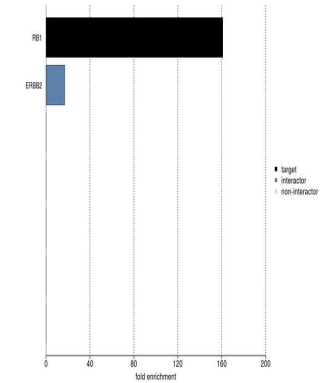
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Product Images For Rb Monoclonal Antibody (XZ133)



Rb Antibody (MA5-13653)

IP-MS enrichment of RB1 (LFQ intensity): RB1 was enriched 161-fold from LNCAP lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and RB1 antibody (Product # MA5-13653). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}



Rb Antibody (MA5-13653) in IP

Immunoprecipitation of Retinoblastoma using Retinoblastoma Monoclonal Antibody (Product # MA5-13653) on denatured Human HT29 Cells.

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PubMed References For Rb Monoclonal Antibody (XZ133)

1 Western Blot References

| Species / Dilution | Summary |
|--------------------|--|
| | MA5-13653 was used in western blot to study the role of Notch-dependent erroneous cell cycle reentry in neurodegeneration |
| Mouse / 1:100 | Cell death and differentiation (2015; 22: 1775) "Notch signaling in response to excitotoxicity induces neurodegeneration via erroneous cell cycle reentry." Author(s):Marathe S,Liu S,Brai E,Kaczarowski M,Alberi L PubMed Article URL: http://dx.doi.org/10.1038/cdd.2015.23 |

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