

Product Name: RB1 Mouse Monoclonal Antibody
Catalog #: AMM81290



Summary

Production Name	RB1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ICC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	RB1
Alternative Names	RB; pRb; OSRC; pp110; p105-Rb
Gene ID	5925.0
SwissProt ID	P06400.Purified recombinant fragment of human RB1 (AA: 745-928) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	106.2kDa

Background

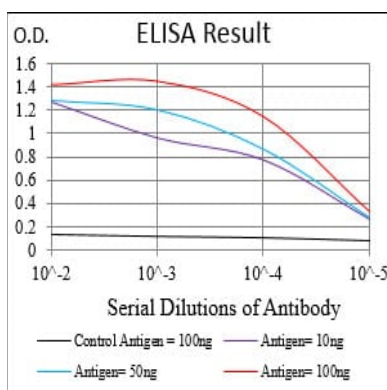
Product Name: RB1 Mouse Monoclonal Antibody
Catalog #: AMM81290



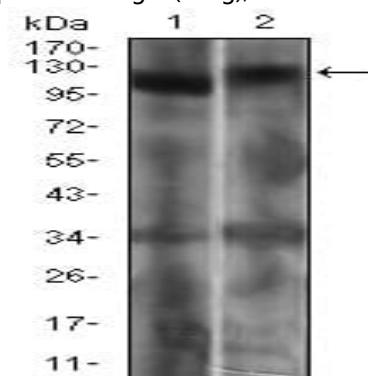
The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma.

Research Area

Image Data

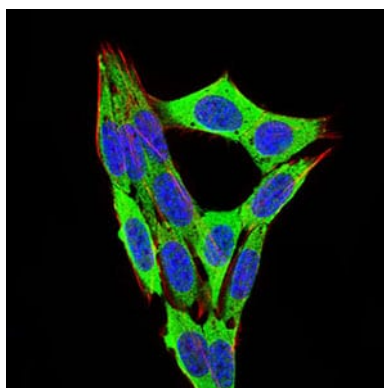


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

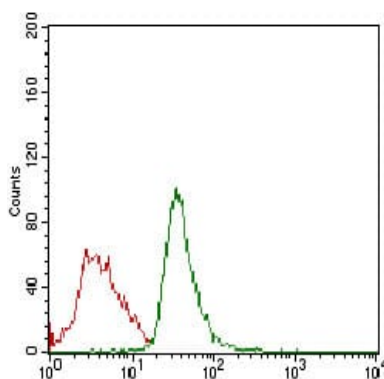


Western blot analysis using RB1 mouse mAb against Jurkat (1) and A431 (2) cell lysate.

Product Name: RB1 Mouse Monoclonal Antibody
Catalog #: AMM81290



Immunofluorescence analysis of NIH/3T3 cells using RB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of Jurkat cells using RB1 mouse mAb (green) and negative control (red).

Note

For research use only.