

Datasheet for ABIN5557520

anti-Retinoblastoma 1 antibody (pSer807)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Retinoblastoma 1 (RB1)
Binding Specificity:	pSer807
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Retinoblastoma 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	Synthetic peptide derived from human Rb(S807), around 800-850aa (phospho S807).
Clone:	2D10
Isotype:	IgG
Purification:	Purified by Protein A.

Target Details

Target:	Retinoblastoma 1 (RB1)
Alternative Name:	Rb (RB1 Products)
Background:	Nuclear Marker. 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

Target Details

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.

Synonyms: RbSer780, OSRC, P105 RB, P105RB, PP105, PP110, pRb, RB 1, RB1, RB1 protein, Retinoblastoma 1 including osteosarcoma, Retinoblastoma 1, Retinoblastoma associated protein, Including osteosarcoma, Osteosarcoma, p105-Rb, Rb, RB_HUMAN, Retinoblastoma susceptibility protein, Retinoblastoma-associated protein, Retinoblastoma related osteosarcoma, Retinoblastoma susceptibility gene.

Gene ID:	5925
UniProt:	P06400
Pathways:	Cell Division Cycle , Intracellular Steroid Hormone Receptor Signaling Pathway , Mitotic G1-G1/S Phases , DNA Replication , Maintenance of Protein Location , Synthesis of DNA , Autophagy

Application Details

Application Notes:	WB 1:1000-2000 IF(ICC) 1:50-200
Restrictions:	For Research Use only

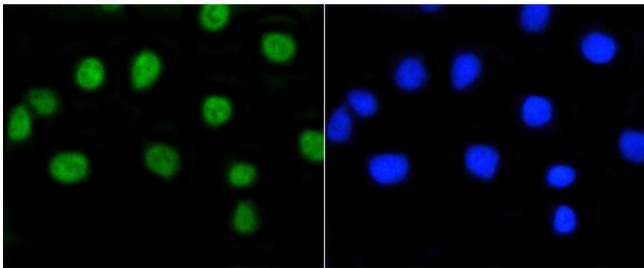
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Storage:	-20 °C
Storage Comment:	Store at -20°C
Expiry Date:	12 months



Western Blotting

Image 1. Lane 1: A549 lysates probed with Rb(S807) (2D10) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody for 60 minutes.



Immunofluorescence (Cultured Cells)

Image 2. A549 cells were stained with Rb(S807) (2D10) Monoclonal Antibody at [1:200] incubated for overnight at 4C, followed by secondary antibody incubation and DAPI staining.