

Datasheet for ABIN389648

anti-Retinoblastoma 1 antibody (pSer811)



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3 Images

Overview

Quantity:	400 µL
Target:	Retinoblastoma 1 (RB1)
Binding Specificity:	pSer811
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Retinoblastoma 1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

Product Details

Immunogen:	This Rb Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S811 of human Rb.
Clone:	RB7679
Isotype:	Ig Fraction
Specificity:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S811 of human RB.
Predicted Reactivity:	Mouse (Murine), Rat (Rattus)
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

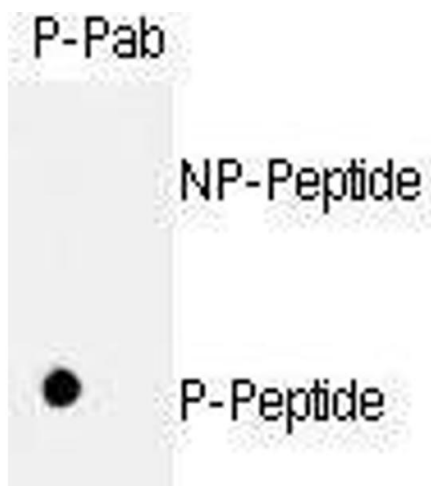
Target:	Retinoblastoma 1 (RB1)
Alternative Name:	Rb (RB1 Products)
Background:	Synonyms: Retinoblastoma-associated protein, PP110, P105-RB, RB, RB1,
Molecular Weight:	106159 DA
Gene ID:	5925
UniProt:	P06400
Pathways:	Cell Division Cycle , Intracellular Steroid Hormone Receptor Signaling Pathway , Mitotic G1-G1/S Phases , DNA Replication , Maintenance of Protein Location , Synthesis of DNA , Autophagy

Application Details

Application Notes:	DB = 1:500, IHC (p) = 1:50-100, IF = 1:10-50
Restrictions:	For Research Use only

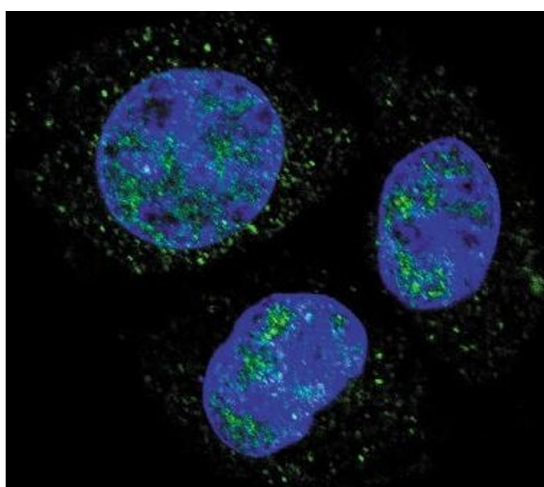
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



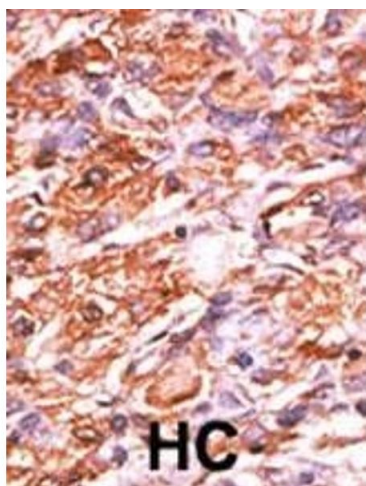
Dot Blot

Image 1. Dot blot analysis of anti-hRb- Phospho-specific Pab (ABIN389648 and ABIN2839638) on nitrocellulose membrane. 50 ng of nonphospho-peptide or phospho-peptide were adsorbed on their respective dots. Antibody working concentration was 0.5 µg per ml.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of Phospho-Rb- Antibody (ABIN389648 and ABIN2839638) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.