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#### anti-p107 antibody (pSer975)





Overview	
Quantity:	400 μL
Target:	p107 (RBL1)
Binding Specificity:	pSer975
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p107 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This Rb-like-1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic

phosphopeptide corresponding to amino acid residues surrounding S975 of human Rb-like-1. Clone: RB7537 Ig Fraction Isotype: Predicted Reactivity: M, Rat

### This antibody is purified through a protein A column, followed by peptide affinity purification.

#### **Target Details**

Purification:

Target:	p107 (RBL1)
Abstract:	RBL1 Products

#### **Target Details**

Background:	Bac	karc	ound:
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RB-like 1 is similar in sequence and possibly function to the product of the retinoblastoma 1 (RB1) gene. The RB1 gene product is a tumor suppressor protein that appears to be involved in cell cycle regulation, as it is phosphorylated in the S to M phase transition and is dephosphorylated in the G1 phase of the cell cycle. Both the RB1 protein and RB-like 1 can form a complex with adenovirus E1A protein and SV40 large T-antigen, with the SV40 large T-antigen binding only to the unphosphorylated form of each protein. In addition, both proteins can inhibit the transcription of cell cycle genes containing E2F binding sites in their promoters. Due to the sequence and biochemical similarities with the RB1 protein, it is thought that RB-like 1 may also be a tumor suppressor.

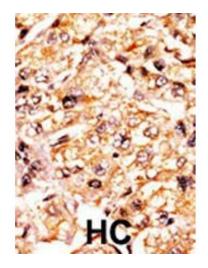
Molecular Weight:	120847
Gene ID:	5933
NCBI Accession:	NP_002886, NP_899662
UniProt:	P28749
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

#### **Application Details**

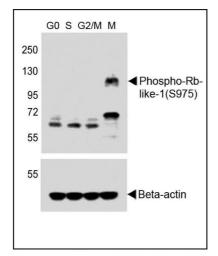
Restrictions: For Research Use only

#### Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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



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#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** 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.

#### **Western Blotting**

**Image 2.** The anti-Phospho-Rb-like-1- Pab (ABIN389640 and ABIN2839632) is used in Western blot to detect Phospho-Rb-like-1- in tissue lysate

#### **Western Blotting**

Image 3. All lanes: Anti-Phospho-Rb-like-1 Antibody (upper) at 1:250 dilution + Hela whole cell lysates, Beta-actin (lower) Lane 1: G0-phase(serum-deprived 24h) Lane 2: S-phase,hydroxycarbamide,5 mM, 24h Lane 3: G2/M-phase,etoposide,5 mM, 24h Lane 4: M-phase, nocodazole, 150 ng/mL 20h Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 121 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.