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Datasheet for ABIN358209 anti-p107 antibody (pSer975)

2 Images



Overview

Quantity:	0.4 mL
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)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S975 of human Rb-like 1.
lsotype:	Ig Fraction
Specificity:	This antibody detects Rb-like-1 pSer975.
Purification:	Protein G Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2- step procedure with control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

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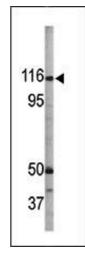
Target Details	
Target:	p107 (RBL1)
Alternative Name:	RBL1 (RBL1 Products)
Background:	RB-like 1 is similar in sequence and possibly function to the product of the retinoblastoma 1 (RB1) gene. The RB1 gene product is a tumor suppressor protein that appears to be involved in cell cycle regulation, as 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.Synonyms: 107 kDa retinoblastoma-associated protein, Retinoblastoma-like protein 1, p107, pRb1
Molecular Weight:	120877 Da
Gene ID:	5933, 9606
UniProt:	P28749
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases
Application Details	
Application Notes:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50approx. 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

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Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images



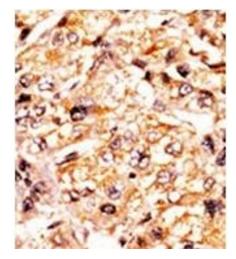


Image 1.

Image 2.

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