

RBL1

Reactivity: Human Mouse Rat

Tested applications: WB IP

Recommended Dilution: WB 1:500 - 1:2000 IP 1:20 - 1:50

Calculated MW: 121kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human RBL1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

PRB1; p107; CP107;

Catalog #: A1813

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5933

Isotype: IgG

Swiss Prot: P28749

Purity: Affinity purification

For research use only.

Background:

The protein encoded by this gene 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 the product of this gene 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 the protein encoded by this gene may also be a tumor suppressor. Two transcript variants encoding different isoforms have been found for this gene.

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