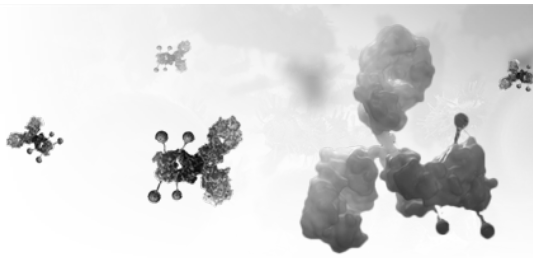

Human RBL1 blocking peptide (CDBP2157)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	p107 (C - term) peptide (human)
Antigen Description	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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	0.2 mg/ml
Size	500 µl
Buffer	Preservative: 0.1% Sodium Azide; Constituents: PBS, BSA
Preservative	0.1% Sodium Azide
Storage	Store this product at 4 °C, do not freeze. The product is stable for one year from the date of shipment.

GENE INFORMATION

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Gene Name	RBL1 retinoblastoma-like 1 [Homo sapiens (human)]
Official Symbol	RBL1
Synonyms	RBL1; retinoblastoma-like 1; PRB1; p107; CP107; retinoblastoma-like protein 1; cellular protein 107; retinoblastoma-like 1 (p107); 107 kDa retinoblastoma-associated protein;
Entrez Gene ID	5933
mRNA Refseq	NM_002895.3
Protein Refseq	NP_002886.2
UniProt ID	P28749
Chromosome Location	20q11.2
Pathway	Adipogenesis, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin D associated events in G1, organism-specific biosystem; Disease, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; G0 and Early G1, organism-specific biosystem; G1 Phase, organism-specific biosystem; G1
Function	protein binding; transcription factor binding;

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