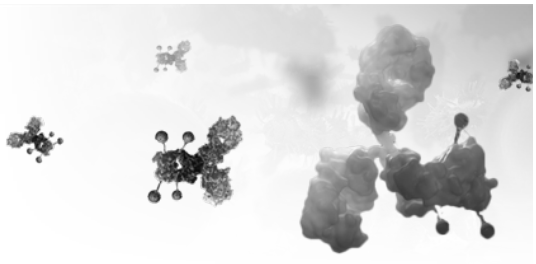

RB1 peptide (DAG-P1929)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma. [provided by RefSeq, Jul 2008]
Specificity	Expressed in the retina.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the retinoblastoma protein (RB) family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RB1 retinoblastoma 1 [Homo sapiens (human)]
Official Symbol	RB1
Synonyms	RB1; retinoblastoma 1; RB; pRb; OSRC; pp110; p105-Rb; retinoblastoma-associated protein; retinoblastoma suspectibility protein; prepro-retinoblastoma-associated protein;
Entrez Gene ID	5925

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mRNA Refseq	NM_000321.2
Protein Refseq	NP_000312.2
UniProt ID	P06400
Chromosome Location	13q14.2
Pathway	Adipogenesis, organism-specific biosystem; Androgen receptor signaling pathway, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved 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; Cellular Senescence, organism-specific
Function	DNA binding; RNA polymerase II activating transcription factor binding; androgen receptor binding; core promoter binding; identical protein binding; kinase binding; phosphoprotein binding; protein binding; sequence-specific DNA binding transcription facto

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