



Mouse anti-Human RB1 polyclonal antibody (DPAB-DC2674)

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.
Immunogen	RB1 (AAH40540, 371 a.a. ~ 470 a.a) partial recombinant protein with GST tag. The sequence is PHTPVRTVMNTIQQLMMILNSASDQPSENLYFNNCTVNPKESILKRVKDIFYIFKEKF AKAVGQGCVEIGSQRYKLGVRLYYRVMESMLKSEEERLSI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RB1 retinoblastoma 1 [Homo sapiens (human)]
Official Symbol	RB1
Synonyms	RB1; retinoblastoma 1; RB; pRb; OSRC; pp110; p105-Rb; PPP1R130; retinoblastoma-associated protein; retinoblastoma susceptibility protein; prepro-retinoblastoma-associated protein; protein phosphatase 1, regulatory subunit 130;
Entrez Gene ID	5925
Protein Refseq	NP_000312
UniProt ID	A0A024RDV3
Chromosome Location	13q14.2
Pathway	Adipogenesis; B Cell Receptor Signaling Pathway; Bladder cancer; Cell Cycle, Mitotic
Function	DNA binding; RNA polymerase II activating transcription factor binding; androgen receptor binding; core promoter binding
