Ablumir
Built Around Immunology

Anti-Rb Rabbit mAb [56A63]

Catalog No.: A52291

Basic Information

Catalog No. (Cat.No.)	A52291
Host species	Rabbit
Reactivity	Human,Mouse
Applications	WB,IP,IF,ELISA
Synonyms	Rb,Retinoblastoma protein,pRb

Product Information

Target	Rb
Molecular Weight(Calculated)	106 kDa
Molecular Weight(Observed)	110 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	56A63
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Retinoblastoma protein
Gene Name	*RB1*
Domain	NA
Background	RB1 (Rb, Retinoblastoma-associated protein) is retinoblastoma tumor-suppressor protein family governing G1/S cell-cycle checkpoint via repressing E2F transcription factors. Under quiescent conditions, hypophosphorylated Rb sequesters E2F and silences S-phase-associated genes to block S-phase entry. Cyclin-CDK-dependent hyper-phosphorylation dissociates Rb-E2F complex, liberating E2F to drive transcription of DNA-replication genes and permit G1-S transition. Inactivation of Rb pathway represents a frequent oncogenic event triggered by gene deletion, mutation or upstream hyper-phosphorylation. Beyond cell-cycle control, Rb modulates differentiation, apoptosis and senescence.