Rb(Phospho S780)(9L11) Rabbit Monoclonal Antibody

产品详情

产品货号	产品名称	储存条件	保质期
IM37064	Rb(Phospho S780)(9L11)Rabbit Monoclonal Antibody	-20℃	1 年

产品概述：

产品货号	IM37064
别名	OSRC;Osteosarcoma;P105RB;PP105;pp110;PPP1R130;Prepro retinoblastoma associated protein;RB transcriptional corepressor 1; RB1;Retinoblastoma 1;Retinoblastoma suspectibility protein.
产品名称	Rb(Phospho S780)(9L11)Rabbit Monoclonal Antibody
纯度	Affinity-chromatography
类别	抗体产品
基因名称	RB1
推荐应用	WB,IHC-P,IF-P
反应种属	Human
存储缓冲液	Supplied in 50mM Tris-Glycine(pH 7.4),0.15M NaCl,40%Glycerol,0.01% New type preservative N and 0.05% BSA.
Human Gene ID	5925
Human Swissprot No.	P06400
免疫原	A synthetic phosphopeptide corresponding to residues surrounding Ser780 of human Rb.

稀释度	WB 1:1000-1:5000,IHC-P/IF-P 1:100
参考分子量	110kDa
预测分子量	106kDa
运输及保存条件	Biological ice bag transportation.Store at -20℃ for at least 12 months(Do not lower than 25℃).Avoid freeze/thaw cycles.
宿主	Rabbit
同种型	IgG
注意事项	Phospho-Rb(S780)Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
组织表达	Expressed in the retina. Expressed in foreskin keratinocytes(at protein level)(PubMed:20940255).
细胞定位	Nucleus.Note=During keratinocyte differentiation,acetylation by KAT2B/PCAF is required for nuclear localization.
功能	Tumor suppressor that is a key regulator of the G1/S transition of the cell cycle(PubMed:10499802).The hypophosphorylated form binds transcription regulators of the E2F family,preventing transcription of E2F-responsive genes(PubMed:10499802).Both physically blocks E2Fs transactivating domain and recruits chromatin-modifying enzymes that actively repress transcription(PubMed:10499802). Cyclin and CDK-dependent phosphorylation of RB1 induces its dissociation from E2Fs,thereby activating transcription of E2F responsive genes and triggering entry into S phase (PubMed:10499802).RB1 also promotes the G0-G1 transition upon phosphorylation and activation by CDK3/cyclin-C(PubMed:15084261). Directly involved in heterochromatin formation by maintaining overall chromatin structure and,in particular,that of constitutive

功能	heterochromatin by stabilizing histone methylation.Recruits and targets histone methyltransferases SUV39H1,KMT5B and KMT5C,leading to epigenetic transcriptional repression.Controls histone H4 'Lys-20' trimethylation. Inhibits the intrinsic kinase activity of TAF1.Mediates transcriptional repression by SMARCA4/BRG1 by recruiting a histone deacetylase(HDAC)complex to the c-FOS promoter. In resting neurons,transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC1 repressor complex.Upon calcium influx,RB1 is dephosphorylated by calcineurin, which leads to release of the repressor complex(By similarity).
Clonality	Monoclonal

注意事项：

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