RBL2 (Phospho Ser952) mouse mAb

Catalog No	BYmab-03649
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RBL2 RB2
Protein Name	RBL2 (Phospho Ser952)
Immunogen	Synthesized peptide derived from human RBL2 (Phospho Ser952)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat RBL2 (Phospho Ser952)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Retinoblastoma-like protein 2 (130 kDa retinoblastoma-associated protein;p130;Retinoblastoma-related protein 2;RBR-2;pRb2)
Observed Band	
Cell Pathway	Nucleus.
Tissue Specificity	
Function	function:Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.,miscellaneous:G0-restricted expression.,PTM:During G0 and early G1 phase of the cell cycle, phosphorylated

	on Ser-639 and on 5 sites within the domain B. Phosphorylat
Background	function:Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.,miscellaneous:G0-restricted expression.,PTM:During G0 and early G1 phase of the cell cycle, phosphorylated on Ser-639 and on 5 sites within the domain B. Phosphorylation on Ser-672 in G1 leads to its ubiquitin-dependent proteolysis.,similarity:Belongs to the retinoblastoma protein (RB) family.,subunit:Interacts with AATF. Interacts with SUV420H1 and SUV420H2 (By similarity). Component of the DREAM complex (also named LINC complex) at least composed of E2F4, E2F5, LIN9, LIN37, LIN52, LIN54, MYBL1, MYBL2, RBL1, RBL2, RBBP4, TFDP1 and TFDP2. The complex exists in quiescent cells where it represses cell cycle-dependent genes. It dissociates in S phase when LIN9, LIN37, LIN52 and LIN54 form a subcomplex that binds to MYBL2. Interacts with RINT1.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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