Anti-RBL2 Antibody

Model	STJ116421
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human RBL2 (NP_005602.3).
Gene ID	5934
Gene Symbol	RBL2
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Retinoblastoma-like protein 2 130 kDa retinoblastoma-associated protein p130 Retinoblastoma-related protein 2 RBR-2 pRb2
Molecular Weight	128.367 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9894OMIM:180203Reactome:R-HSA-1362277
Alternative Names	Retinoblastoma-like protein 2 130 kDa retinoblastoma-associated protein

	p130 Retinoblastoma-related protein 2 RBR-2 pRb2
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 KMT5B and KMT5C, 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
Cellular Localization	Nucleus
Post-translational Modifications	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,