

RBL2(Phospho Ser952) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP12244
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human RBL2 (Phospho Ser952)
Mol wt	125290
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	RBL2
Synonyms	RBL2 ;Phospho Ser952; Retinoblastoma-like protein 2; 130 kDa retinoblastoma-associated protein; p130; Retinoblastoma-related protein 2; RBR-2; pRb2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.|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.|

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year