

## RBL2 (Phospho Ser952) rabbit pAb

Catalog No: YP1571

Reactivity: Human; Mouse; Rat

**Applications:** WB;ELISA;IHC

Target: RBL2

**Fields:** >>FoxO signaling pathway;>>Cell cycle;>>PI3K-Akt signaling

pathway;>>Cellular senescence;>>Human papillomavirus infection;>>Viral

carcinogenesis

Gene Name: RBL2 RB2

Protein Name: RBL2 (Phospho Ser952)

Q08999

Q64700

Human Gene Id: 5934

**Human Swiss Prot** 

No:

Mouse Gene Id: 19651

**Mouse Swiss Prot** 

No:

Rat Gene Id: 81758

Rat Swiss Prot No: O55081

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: Polyclonal, Rabbit, IgG

**Dilution :** WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

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**Purification:** The antibody was affinity-purified from rabbit serum by affinity-chromatography

using specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 125kD

**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 transactivation, 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.,

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Subcellular Location:

Nucleus.

**Sort**: 14045

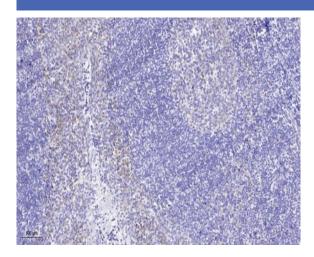


**No4:** 1

Host: Rabbit

Modifications: Phospho

## **Products Images**



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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