

RB2 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51468

Specification

RB2 Antibody - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW
Antigen Region

WB
O08999
Human, Mouse, Rat
Rabbit
Polyclonal
128 KDa
911 - 970

RB2 Antibody - Additional Information

Gene ID 5934

Other Names

Retinoblastoma-like protein 2, 130 kDa retinoblastoma-associated protein, p130, Retinoblastoma-related protein 2, RBR-2, pRb2, RBL2, RB2

Target/Specificity

KLH conjugated synthetic peptide derived from human RB2

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

RB2 Antibody - Protein Information

Name RBL2

Synonyms RB2

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.

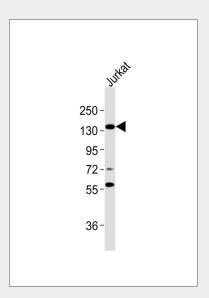
Cellular Location Nucleus.

RB2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RB2 Antibody - Images

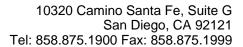


Anti-RB2 Antibodyat 1:1000 dilution + Jurkat whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 128 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

RB2 Antibody - 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 methylationserases 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.

RB2 Antibody - References





Li Y.,et al.Genes Dev. 7:2366-2377(1993). Hannon G.J.,et al.Genes Dev. 7:2378-2391(1993). Mayol X.,et al.Oncogene 8:2561-2566(1993). Baldi A.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:4629-4632(1996). Canhoto A.J.,et al.Oncogene 19:5116-5122(2000).