

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-RB1



Numéro de catalogue: 17218-1-AP

Phare

25 Publications

## Informations de base

Numéro de catalogue:

17218-1-AP

Numéro d'acquisition GenBank:

BC039060

Méthode de purification:

Purification par affinité contre l'antigène

Taille:

150ul, Concentration: 300 µg/ml by Nanodrop and 140 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

5925

Dilutions recommandées:

WB 1:500-1:1000

Hôte:

Lapin

Nom complet:

retinoblastoma 1

MW calculé

928 aa, 106 kDa

Isotype:

IgG

MW observés:

110 kDa

Immunogen Catalog Number:

AG11035

## Applications

Applications testées:

WB, ELISA

Contrôles positifs:

WB: cellules HT-1080,

Demandes citées:

WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain, poisson-zèbre

## Informations générales

RB1, also named as pp110, pRb and p105 Rb, belongs to the retinoblastoma protein (RB) family. It is a key regulator of entry into cell division that acts as a tumor suppressor. RB1 acts as a transcription repressor of E2F1 target genes. The underphosphorylated, active form of RB1 interacts with E2F1 and represses its transcription activity, leading to cell cycle arrest. It is directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. It recruits and targets histone methyltransferases SUV39H1, SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. RB1 controls histone H4 'Lys-20' trimethylation and inhibits the intrinsic kinase activity of TAF1. It mediates transcriptional repression by SMARCA4/BRG1 by recruiting a histone deacetylase (HDAC) complex to the c-FOS promoter. In resting neurons, transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC1 repressor complex. Upon calcium influx, RB1 is dephosphorylated by calcineurin, which leads to release of the repressor complex. In case of viral infections, interactions with SV40 large T antigen, HPV E7 protein or adenovirus E1A protein induce the disassembly of RB1-E2F1 complex thereby disrupting RB1's activity. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human RB1.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Xiaoman Chen	30207732	Mol Pharm	WB
Hitoshi Gotoh	27601444	J Cereb Blood Flow Metab	WB
Qirui Ding	34786046	Am J Transl Res	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:

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## Données de validation sélectionnées



HT-1080 cells were subjected to SDS PAGE followed by western blot with 17218-1-AP (RB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.