Rb (Phospho Thr252) Rabbit pAb

CatalogNo: YP1588 Orthogonal Validated

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,ELISA,IHC

MW	Isotype
• 106kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300
ELISA 1:2000-20000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human Rb (Phospho Thr252)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat Rb (Phospho Thr252).The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PRtPR

Target Information

Gene name RB1

Protein Name Rb (Phospho Thr252)

Organism	Gene ID	UniProt ID
Human	5925;	P06400;
Mouse	19645;	P13405;
Rat	24708;	P33568;

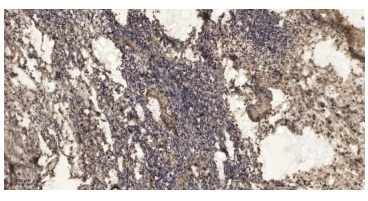
Cellular Localization Nucleus . During keratinocyte differentiation , acetylation by KAT2B/PCAF is required for nuclear localization. .

Tissue specificity Expressed in the retina. Expressed in foreskin keratinocytes (at protein level) (PubMed:20940255) .

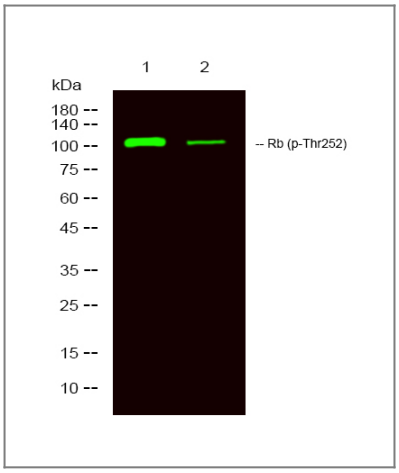
Function

cell cycle checkpoint , G1/S transition of mitotic cell cycle , regulation of transcription of G1/S-phase of mitotic cell cycle ,negative regulation of transcription from RNA polymerase II promoter , mitotic cell cycle , M phase , regulation of cell growth , immune system development , regulation of myeloid leukocyte differentiation , positive regulation of myeloid leukocyte differentiation , chromatin organization , chromatin remodeling , transcription , regulation of transcription , DNA-dependent , regulation of transcription from RNA polymerase II promoter , negative regulation of protein kinase activity ,cell cycle , cell cycle arrest , regulation of S phase of mitotic cell cycle , intracellular signaling cascade , regulation of mitotic cell cycle , negative regulation of cell proliferation , regulation of cell size , negative regulation of biosynthetic process , positive regulation of biosynthetic process , positive regulation of macromolecule biosynthetic process ,negative regulation of macromolecule biosynthetic process , regulation of cell cycle process , positive regulation of macromolecule metabolic process , negative regulation of macromolecule metabolic process , positive regulation of gene expression , negative regulation of gene expression , negative regulation of cell cycle process , negative regulation of transcription , chromatin modification , regulation of lipid metabolic process , regulation of phosphate metabolic process ,cell cycle process , cell cycle phase , hemopoiesis , myeloid cell differentiation , erythrocyte differentiation , negative regulation of cell growth , steroid hormone receptor signaling pathway , androgen receptor signaling pathway ,intracellular receptor-mediated signaling pathway , negative regulation of cellular biosynthetic process , positive regulation of cellular biosynthetic process , regulation of cellular component size , regulation of S phase , negative regulation of kinase activity , erythrocyte homeostasis , regulation of growth , regulation of cell proliferation , regulation of phosphorylation , homeostatic process , muscle cell differentiation , negative regulation of catalytic activity , enucleate erythrocyte differentiation , regulation of kinase activity , regulation of lipid kinase activity , negative regulation of molecular function , myoblast differentiation , regulation of transcription , positive regulation of cell differentiation ,regulation of myeloid cell differentiation , positive regulation of myeloid cell differentiation , regulation of macrophage differentiation , positive regulation of macrophage differentiation , negative regulation of S phase of mitotic cell cycle ,negative regulation of cell cycle , negative regulation of cell size , regulation of protein kinase activity , negative regulation of transcription , DNA-dependent , positive regulation of transcription , DNA-dependent , negative regulation of growth , negative regulation of mitotic cell cycle , negative regulation of nucleobase , nucleoside , nucleotide and nucleic acid metabolic process , positive regulation of nucleobase , nucleoside , nucleotide and nucleic acid metabolic process , positive regulation of transcription , positive regulation of transcription from RNA polymerase II promoter ,hemopoietic or lymphoid organ development , homeostasis of number of cells , positive regulation of developmental process , striated muscle cell differentiation , negative regulation of nitrogen compound metabolic process , positive regulation of nitrogen compound metabolic process , regulation of phosphorus metabolic process , regulation of RNA metabolic process , negative regulation of RNA metabolic process , positive regulation of RNA metabolic process ,chromosome organization , cell division , G1 phase , interphase , interphase of mitotic cell cycle , regulation of transferase activity , negative regulation of transferase activity , regulation of cell cycle ,

Validation Data



Immunohistochemical analysis of paraffin-embedded human oophoroma. 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).



Western Blot analysis of 1 Jurkat treated with LPS, 2 Jurkat,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

Contact information

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