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Rb (phospho Thr826) Polyclonal Antibody

Isotype IgG Reactivity Human;Mouse;Rat Applications WB;IHC;IF;ELISA Gene Name RB1 Protein Name Retinoblastoma-associated protein Immunogen The antiserum was produced against synthesized peptide derived from human Retinoblastoma around the phosphorylation site of Thr826. AA range:601-650 Specificity Phospho-Rb (T826) Polyclonal Antibody detects endogenous levels of Rb protein only when phosphorylated at T826. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. Dilution The graph Purity 290% Storage Stability -20°C/1 year Synonyms RB1; Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110 Observed Band 110kD Cell Pathway 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 disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900], disease: Defects in RB1 are a cause of obladger caneer NIMI-138900]		
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Background

The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma. [provided by RefSeq, Jul 2008],

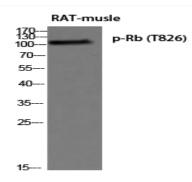
matters needing attention

Avoid repeated freezing and thawing!

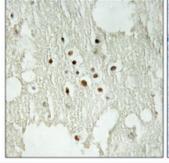
Usage suggestions

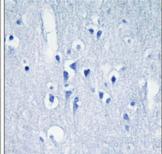
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

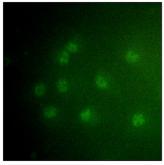


Western blot analysis of RAT-musle using p-Rb (T826) antibody. Antibody was diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).





Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.





Immunofluorescence analysis of COS7 cells, using Retinoblastoma (Phospho-Thr826) Antibody. The picture on the right is blocked with the phospho peptide.



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Retinoblastoma -- (pThr826)

-- 117

-- 85

Western blot analysis of lysates from HepG2 cells treated with nocodazole 1ug/ml 16h, using Retinoblastoma (Phospho-Thr826) Antibody. The lane on the right is blocked with the phospho peptide.

-- 48

-- 34

-- 26

-- 19

(kD)