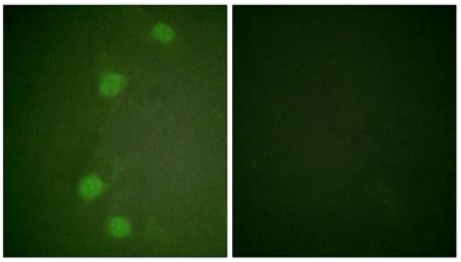
Rb(phospho Ser249)Rabbit Polyclonal Antibody

OPR7000

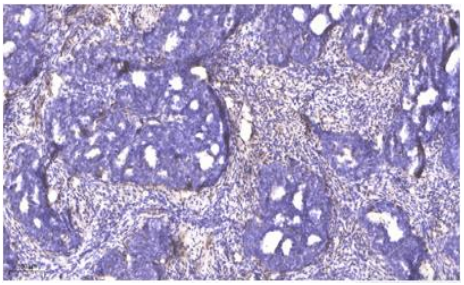
Reactivity	H,M,R	**Storage**	-20 °C, Avoid freeze/ thaw cycles
Host	Rabbit	**Applications**	WB;IHC;ELISA
Isotype	IgG	**Concentration**	1 mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Immunofluorescence analysis of HeLa cells, using Retinoblastoma (Phospho-Ser249) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma.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)

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Retinoblastoma around the phosphorylation site of Ser249. AA range:221-270
Swissprot	P06400
Synonyms	RB1;Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110

Product Information

Buffer	PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Dilution	WB: 1/500:2000; IHC: 1:50:300; ELISA: 2000:20000.

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

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.

Research Use

For research use only, not for use in diagnostic procedure.

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry;ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish;X-Xenopus; C-Cow.