



Rb (phospho Thr821) rabbit pAb

Cat No.:ES6999

For research use only

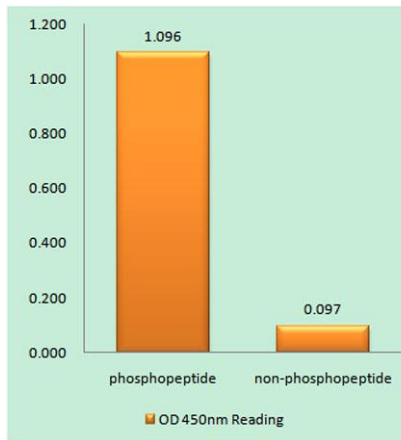
Overview

| | |
|---------------------------------|--|
| Product Name | Rb (phospho Thr821) rabbit pAb |
| Host species | Rabbit |
| Applications | IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Retinoblastoma around the phosphorylation site of Thr821. AA range:791-840 |
| Specificity | Phospho-Rb (T821) Polyclonal Antibody detects endogenous levels of Rb protein only when phosphorylated at T821. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Retinoblastoma-associated protein |
| Gene Name | RB1 |
| Cellular localization | Nucleus . During keratinocyte differentiation, acetylation by KAT2B/PCAF is required for nuclear localization. . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | |
| Human Gene ID | 5925 |
| Human Swiss-Prot Number | P06400 |
| Alternative Names | RB1; Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110 |
| Background | The protein encoded by this gene is a negative |



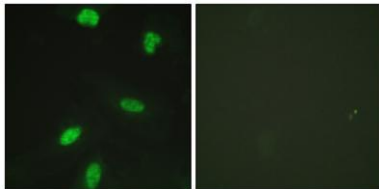


regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause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

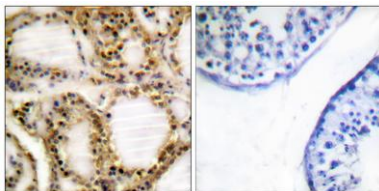


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Retinoblastoma (Phospho-Thr821) Antibody

Immunofluorescence analysis of HeLa cells, using Retinoblastoma (Phospho-Thr821) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human testis, using Retinoblastoma (Phospho-Thr821) Antibody. The picture on the right is blocked with the phospho peptide.





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