
Anti-RBBP

Cat #: HM1317
Goat polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

RBBP identified as Retinoblastoma protein (Rb) associated protein (also designated RbAp46) is a nuclear protein that has been shown to interact directly with retinoblastoma protein. It is a histone binding protein, and a component of the histone deacetylase complex. RbAp 46 shares about 75% sequence identity with the closely related RbAp 48. RbAp 46 has also been demonstrated to be up-regulated by the Wilms tumor suppressor gene product, WT1. Additionally, cells transfected with RbAp46 have shown strong inhibition of growth.

This antibody is in Signal Transduction AntibodyArray™, Cell Cycle AntibodyArray™ and Apoptosis AntibodyArray™.

SPECIFICITY

This antibody specifically reacts with RbAp46 of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A peptide mapping at the amino terminus of RbAp46 of human origin.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

1. Qian YW & Lee EY 1995. Dual retinoblastoma-binding proteins with properties related to a negative regulator of ras in yeast. *J Biol Chem* **270**:25507-13.
2. Guan LS *et al.* 1998. Induction of Rb-associated protein (RbAp46) by Wilms' tumor suppressor WT1 mediates growth inhibition. *J Biol Chem* **273**:27047-50.
3. Brehm A *et al.* 1998. Retinoblastoma protein recruits histone deacetylase to repress transcription. *Nature* **391**:597-601.
4. Nicolas,E., Morales,V., Magnaghi-Jaulin,L., Harel-Bellan,A., Richard-Foy,H. and Trouche,D. 2000. RbAp48 belongs to the histone deacetylase complex that associates with the retinoblastoma protein. *J. Biol. Chem.* 275, 9797-9804.

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