

## Product datasheet for **TA805630**

### Rb (RB1) Mouse Monoclonal Antibody [Clone ID: OTI9E10]

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Clone Name:           | OTI9E10  |
| Applications:         | WB   |
| Recommended Dilution: | WB 1:2000  |
| Reactivity:           | Human, Mouse, Rat  |
| Host:                 | Mouse  |
| Isotype:              | IgG2a  |
| Clonality:            | Monoclonal   |
| Immunogen:            | Human recombinant protein fragment corresponding to amino acids 309-590 of human RB1(NP_000312) produced in E.coli.  |
| Formulation:          | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:        | 1 mg/ml  |
| Purification:         | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:          | Unconjugated   |
| Storage:              | Store at -20°C as received.  |
| Stability:            | Stable for 12 months from date of receipt.   |
| Gene Name:            | RB transcriptional corepressor 1   |
| Database Link:        | <a href="#">NP_000312</a><br><a href="#">Entrez Gene 19645 Mouse</a> <a href="#">Entrez Gene 24708 Rat</a> <a href="#">Entrez Gene 5925 Human</a><br><a href="#">P06400</a>  |
| 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] |
| Synonyms:             | OSRC; p105-Rb; pp110; PPP1R130; pRb; RB  |

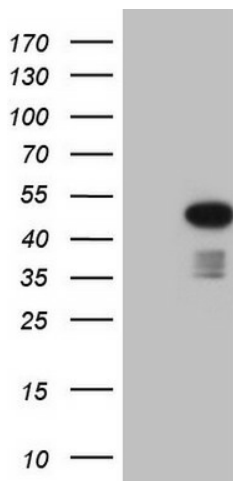


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**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Bladder cancer, Cell cycle, Chronic myeloid leukemia, Glioma, Melanoma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Small cell lung cancer

**Product images:**



Human recombinant protein fragment corresponding to amino acids 309-590 of human RB1 (NP\_000312) produced in E.coli.