

## Product datasheet for **TA802963S**

### **p16INK4A (CDKN2A) Mouse Monoclonal Antibody [Clone ID: OTI1D3]**

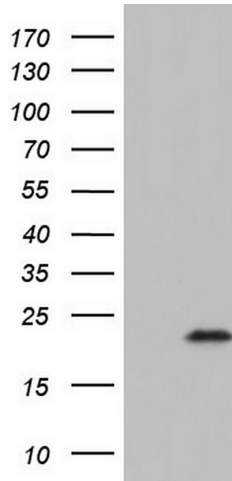
#### **Product data:**

|                                |  |
|--------------------------------|--|
| <b>Product Type:</b>           | Primary Antibodies   |
| <b>Clone Name:</b>             | OTI1D3   |
| <b>Applications:</b>           | IF, WB   |
| <b>Recommended Dilution:</b>   | WB 1:200 - 1:1000  |
| <b>Reactivity:</b>             | Human  |
| <b>Host:</b>                   | Mouse  |
| <b>Isotype:</b>                | IgG1   |
| <b>Clonality:</b>              | Monoclonal   |
| <b>Immunogen:</b>              | Full length human recombinant protein of human CDKN2A (NP_000068) produced in E.coli.  |
| <b>Formulation:</b>            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| <b>Concentration:</b>          | 1 mg/ml  |
| <b>Purification:</b>           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| <b>Conjugation:</b>            | Unconjugated   |
| <b>Storage:</b>                | Store at -20°C as received.  |
| <b>Stability:</b>              | Stable for 12 months from date of receipt.   |
| <b>Predicted Protein Size:</b> | 16.4 kDa   |
| <b>Gene Name:</b>              | cyclin-dependent kinase inhibitor 2A   |
| <b>Database Link:</b>          | <a href="#">NP_000068</a><br><a href="#">Entrez Gene 1029 Human</a><br><a href="#">Q8N726</a>  |
| <b>Synonyms:</b>               | ARF; CDK4I; CDKN2; CMM2; INK4; INK4A; MLM; MTS-1; MTS1; P14; P14ARF; P16; P16-INK4A; P16INK4   |
| <b>Protein Families:</b>       | Druggable Genome   |
| <b>Protein Pathways:</b>       | Bladder cancer, Cell cycle, Chronic myeloid leukemia, Glioma, Melanoma, Non-small cell lung cancer, p53 signaling pathway, Pancreatic cancer, Pathways in cancer |

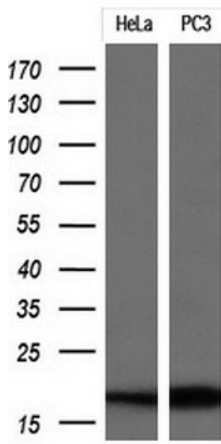


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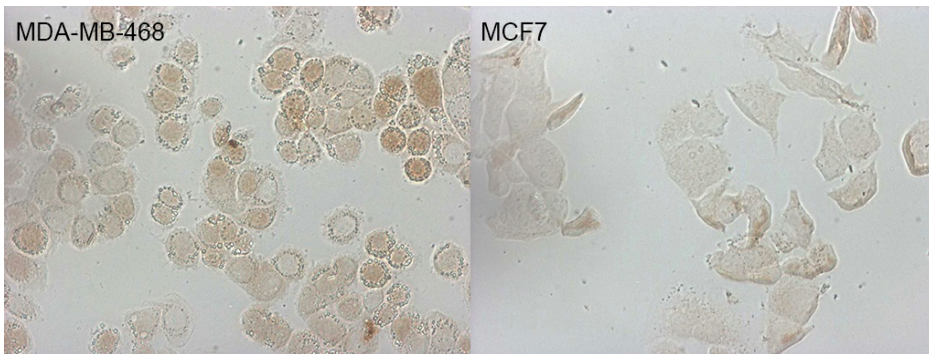
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CDKN2A ([RC220937], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CDKN2A. Positive lysates [LY400022] (100ug) and [LC400022] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-CDKN2A monoclonal antibody at 1:200.



Immunocytochemistry staining of MDA-MB-468 cells using anti-CDKN2A mouse monoclonal antibody ([TA802963]). The right is MCF7 cells as negative control (1:50).