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# Product datasheet for CF811064

## p63 (TP63) Mouse Monoclonal Antibody [Clone ID: OTI2A7]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI2A7 |
| **Applications:** | WB |
| **Recommended Dilution:** | WB 1:500 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Synthetic peptide corresponding to the N-terminus of Human P40 (ΔNp63) (NP_001108452) conjugated to KLH. The exact sequence is proprietary. |
| **Formulation:** | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| **Reconstitution Method:** | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| **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. |
| **Predicted Protein Size:** | 44.5 kDa |
| **Gene Name:** | tumor protein p63 |
| **Database Link:** | NP_001108454<br>Entrez Gene 246334 RatEntrez Gene 8626 Human<br>Q9H3D4 |

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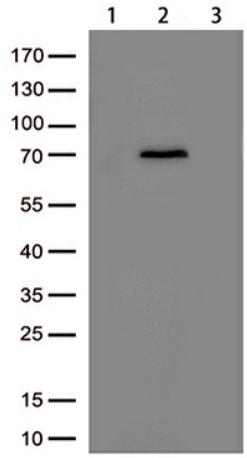
**Background:** This gene encodes a member of the p53 family of transcription factors. An animal model, p63 -/- mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63 -/- mice have several developmental defects which include the lack of limbs and other tissues, such as teeth and mammary glands, which develop as a result of interactions between mesenchyme and epithelium. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrimal-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. Both alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different proteins. Many transcripts encoding different proteins have been reported but the biological validity and the full-length nature of these variants have not been determined. [provided by RefSeq, Jul 2008]

**Synonyms:** AIS; B(p51A); B(p51B); EEC3; KET; LMS; NBP; OFC8; p40; p51; p53CP; p63; p73H; p73L; RHS; SHFM4

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

## Product images:




Western blot analysis of lysates from HEK293T cells transfected with P40 (ΔNp63) (Lane 2, Cat# [RC225987]), TP63 overexpression plasmid (Lane 3, Cat# [RC208013]) or empty vector plasmid (Lane 1) using anti-P40 (ΔNp63) antibody (Cat# [TA811064]). (1:1000)