

## Product datasheet for **TA811064S**

### **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 ( $\Delta$ Np63) (NP_001108452) conjugated to KLH. The exact sequence is proprietary.
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.
Predicted Protein Size:	44.5 kDa
Gene Name:	tumor protein p63
Database Link:	<a href="#">NP_001108454</a> <a href="#">Entrez Gene 246334 Rat</a> <a href="#">Entrez Gene 8626 Human</a> <a href="#">Q9H3D4</a>



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**Background:**

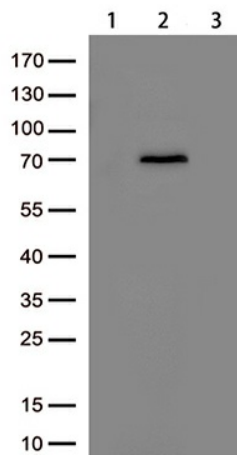
This gene encodes a member of the p53 family of transcription factors. An animal model, p63  $-/-$  mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63  $-/-$  mice have several developmental defects which include the 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 ( $\Delta$ Np63) (Lane 2, Cat# [RC225987]), TP63 overexpression plasmid (Lane 3, Cat# [RC208013]) or empty vector plasmid (Lane 1) using anti-P40 ( $\Delta$ Np63) antibody (Cat# [TA811064]). (1:1000)