

## Product datasheet for **UM500004**

### **p63 (TP63) Mouse Monoclonal Antibody [Clone ID: UMAB4]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	UMAB4
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:200
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TP63 (NP_003713) produced in HEK293T cell.
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
Predicted Protein Size:	76.8 kDa
Gene Name:	tumor protein p63
Database Link:	<a href="#">NP_003713</a> <a href="#">Entrez Gene 8626 Human</a> <a href="#">Q9H3D4</a>



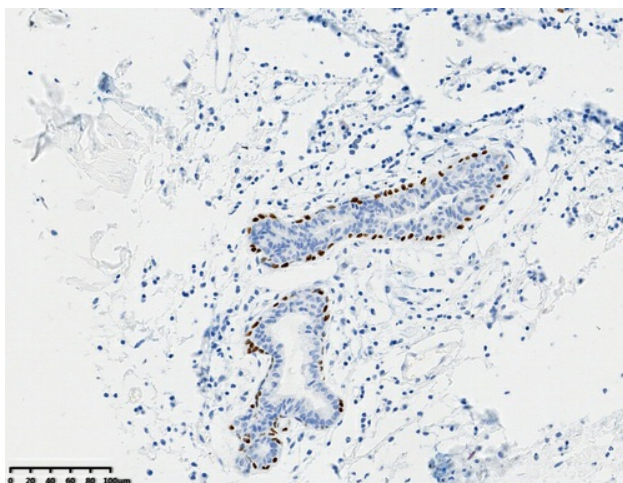
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**Background:** This gene encodes a member of the p53 family of transcription factors. An animal model, p63 <sup>-/-</sup> mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63 <sup>-/-</sup> 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.

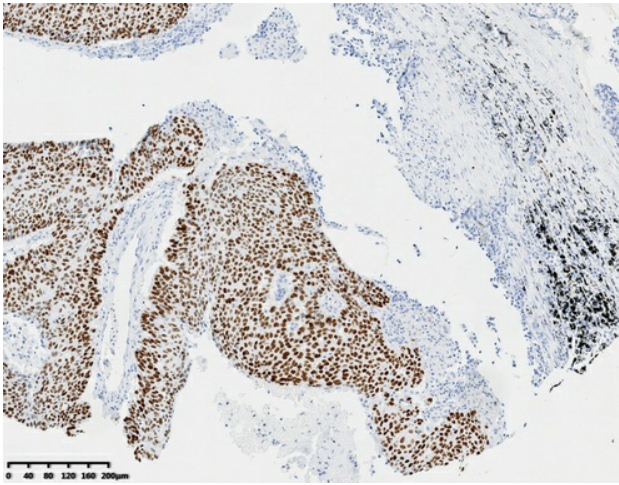
**Synonyms:** AIS; B(p51A); B(p51B); EEC3; KET; LMS; NBP; OFC8; p40; p51; p53CP; p63; p73H; p73L; RHS; SHFM4; TP53CP; TP53L; TP73L

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

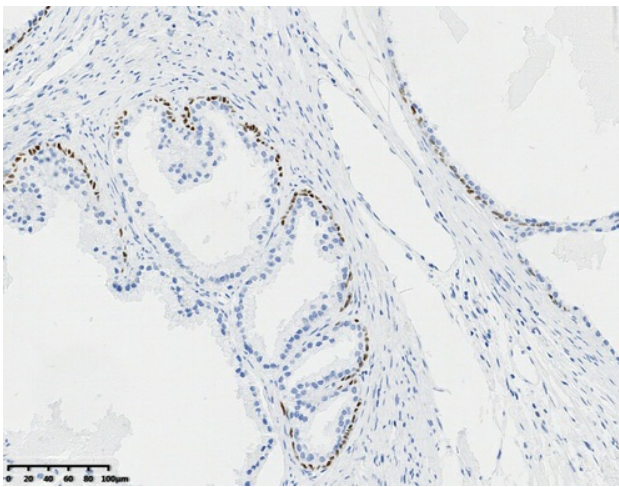
### Product images:



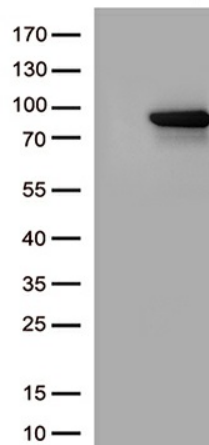
Immunohistochemical staining of paraffin-embedded human breast tissue within the normal limits using anti-TP63 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, UM500004 (1:200))



Immunohistochemical staining of paraffin-embedded human lung squamous cell carcinoma tissue using anti-TP63 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, UM500004 (1:200))



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-TP63 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, UM500004 (1:200))



Western blot analysis of lysates from HEK293T cells transfected with TP63v1 (Right, Cat# [RC208013]), overexpression plasmid or empty vector plasmid (Left) using anti-TP63 antibody, Cat# UM500004 (1:500).