

**Name: Purified TP63 mouse monoclonal antibody, clone 2B10**  
**Product Data Sheet**

**Catalog: TA500317**

Gene Name: Homo sapiens tumor protein p63 (TP63), transcript variant 1  
GeneBank accession: NM\_003722  
Isotype: IgG2a

Reactivity: Human, Dog, Monkey  
Test application: WB  
Clone Name: clone 2B10

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

**Validation Data:**

**Guaranteed Applications:** WB, IHC

**Western Blot**

**Suggested Dilutions:** WB 1:1000~2000; IHC 1:150

**Immunogen:** Full length human recombinant protein of human TP63 (NP\_003713) produced in HEK293T cell.

**Components:**

- Purified TP63 mouse monoclonal antibody, clone 2B10 (TA500317)
- 1 vial of 20ug myc-DDK tagged TP63 HEK293T over-expression lysate lyophilized in RIPA buffer (LC418475) (Reconstitute into 20ul of 1x SDS sample buffer before loading)

**Amount:**

TA500317-100 100ul

**Concentration:** 0.5~1.0 mg/ml (Lot Dependent)

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

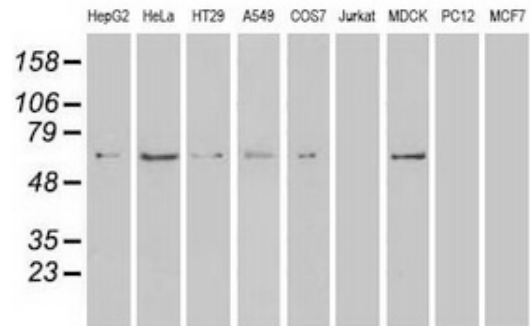
**Buffer:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

Purified from mouse ascites fluids by affinity chromatography

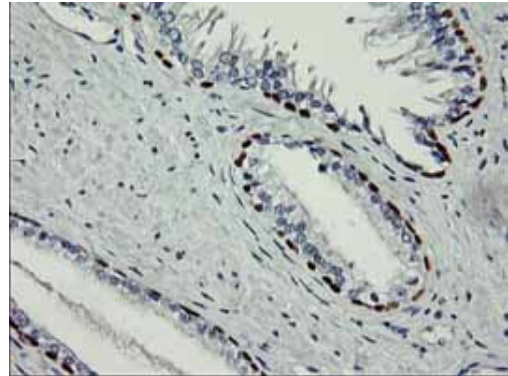
**Background:**

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.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TP63 monoclonal antibody.

**IHC data**



Immunohistochemical staining of paraffin-embedded prostate tissue using anti-TP63 mouse monoclonal antibody.

**Related Product:**

- TrueORF cDNA clones
- VERIFY Tagged Antigen lysates
- HuSH-29 shRNA
- Western Blot reagents
- Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

\* More validation images may be available on our website:

<http://www.origene.com/antibody/TA500317.aspx>

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***