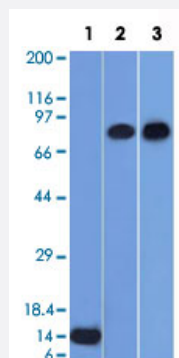


TP63 monoclonal antibody, clone TP63/1786

Catalog # MAB15050 Size 100 ug

Applications



Western Blot

Western Blot analysis of Lane 1: recombinant protein, Lane 2: PC3 and Lane 3: HeLa cell lysates with TP63 monoclonal antibody, clone TP63/1786 (Cat # MAB15050).

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant human TP63.

Immunogen Recombinant protein corresponding to amino acids 3-106 of human TP63.

Host Mouse

Theoretical MW (kDa) 63

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG2b, kappa

Recommend Usage

- Flow Cytometry (0.5-1 ug/10⁶ cells)
- Immunofluorescence (1-2 ug/mL)
- Western Blotting (0.5-1 ug/mL)
- The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: recombinant protein, Lane 2: PC3 and Lane 3: HeLa cell lysates with TP63 monoclonal antibody, clone TP63/1786 (Cat # MAB15050).

- Immunofluorescence

- Flow Cytometry

Gene Info — TP63

Entrez GeneID

[8626](#)

Protein Accession#

[Q9H3D4](#)

Gene Name

TP63

Gene Alias

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

Gene Description

tumor protein p63

Omim ID

[103285](#) [106260](#) [129400](#) [603273](#) [603543](#) [604292](#) [605289](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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-lacrima-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]

Other Designations

amplified in squamous cell carcinoma|chronic ulcerative stomatitis protein|keratinocyte transcripti
on factor|transformation-related protein 63|tumor protein p53-competing protein|tumor protein p53
-like|tumor protein p73-like

Publication Reference

- [p63, a p53 homolog at 3q27-29, encodes multiple products with transactivating, death-inducing, and dominant-negative activities.](#)

Yang A, Kaghad M, Wang Y, Gillett E, Fleming MD, Dötsch V, Andrews NC, Caput D, McKeon F.

Molecular Cell 1998 Sep; 2(3):305.

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition Disorders](#)
- [Ectodermal Dysplasia](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasm Invasiveness](#)
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- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)