

## Anti-P63 Antibody (5H806)

### Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG1                                    |
| Reactivity:       | Human                                   |
| Molecular Weight: | Theoretical: 77 kDa. Actual: 75,76 kDa. |
| Clone:            | 5H806                                   |
| Purification:     | Protein G purified                      |

### Applications

|                    |   |
|--------------------|---|
| Verified Activity: | <p>1. Blank control (black line): A549.<br/>Primary Antibody (green line): Mouse Anti-P63 antibody (TMAB-09891)<br/>Dilution: 1 µg/Test;<br/>Secondary Antibody (white blue line): Goat anti-Mouse IgG-AF488<br/>Dilution: 0.5 µg/Test.<br/>Isotype control (orange line): Normal mouse IgG<br/>Protocol<br/>The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p> <p>2. Sample:<br/>Lane 1: Human A549 cell lysates<br/>Lane 2: Human A431 cell lysates<br/>Primary: Anti-P63 (TMAB-09891) at 1/1000 dilution<br/>Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution<br/>Predicted band size: 77 kDa<br/>Observed band size: 75, 76 kDa</p> |
| Application:       | WB,FCM  |
| Recommended        | WB: 1:1000-5000; FCM: 2µg/Test  |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human P63  
Antigen Species: Human  
Gene ID: 8626  
Uniprot ID: Q9H3D4

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### Research 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].

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