

### [ Primary Antibody ]



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ANTIBODIES

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## — DATASHEET

**Host:** Mouse

**Isotype:** IgG1

**Clonality:** Monoclonal

**CloneNo.:** 2A7

**GeneID:** 8626

**SWISS:** 09H3D4

**Target:** P63(ready to use)

**Purification:** affinity purified by Protein G

**Storage:** 0.01M PBS (pH7.4) with 1% BSA and 0.02% Proclin300.  
Store at 2-8°C for one year. Avoid repeated freeze/thaw cycles.

**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-lacimal-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].

## Applications: WB

IHC-P

### IHC-F

**IF**

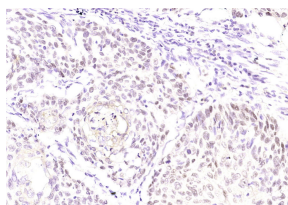
ICC/IF

**Reactivity:** Human

**Predicted** 77 kDa  
**MW.:**

**Subcellular Location:** Nucleus

— VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Human esophageal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (P40) Monoclonal Antibody, Unconjugated (BH0152) overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.