

# Anti-p63 Antibody

## R1311-3



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB, IHC-P
<b>Molecular Wt:</b>	Predicted band size: 77 kDa

**Description:** Tumor protein p63 is a member of the p53 family of transcription factors. 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. TP63 mutations underlie several malformation syndromes that include cleft lip and/or palate as a hallmark feature. p63 immunostaining has utility for head and neck squamous cell carcinomas, differentiating prostatic adenocarcinoma (the most common type of prostate cancer) and benign prostatic tissue; normal prostatic glands stain with p63 (as they have basal cells), while the malignant glands in prostatic adenocarcinoma (which lacks these cells) do not. P63 is also helpful in distinguishing poorly differentiated squamous cell carcinoma from small cell carcinoma or adenocarcinoma.

**Immunogen:** Synthetic peptide within human p63 aa 152-196.

**Positive control:** MCF-7, human lung cancer tissue, Hela

**Subcellular location:** Nucleus

**Database links:** SwissProt: Q9H3D4 Human | O88898 Mouse | Q9JJP6 Rat

**Recommended Dilutions:**

<b>WB</b>	1:500-1:1,000
<b>IHC-P</b>	1:100-1:200

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Immunogen affinity purified.

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Orders:0086-571-88062880

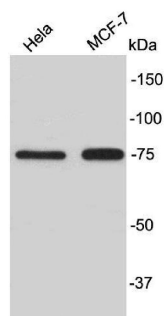
Technical:0086-571-89986345

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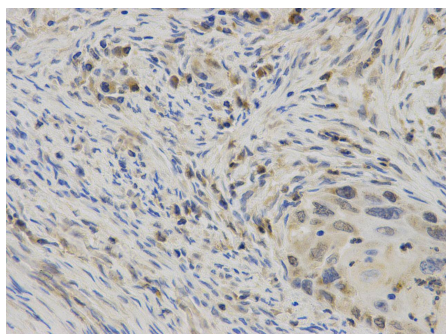
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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images



**Fig1:** Western blot analysis on HeLa and MCF-7 cell lysates using anti-p63 rabbit polyclonal antibodies.



**Fig2:** Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using anti- p63 rabbit polyclonal antibody.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. "TP63 gene mutation in ADULT syndrome." Amiel J., Bougeard G., Francannet C., Raclin V., Munnich A., Lyonnet S., Frebourg T. Eur. J. Hum. Genet. 9:642-645(2001)
2. "EEC syndrome type 3 with a heterozygous germline mutation in the P63 gene and B cell lymphoma." Akahoshi K., Sakazume S., Kosaki K., Ohashi H., Fukushima Y. Am. J. Med. Genet. A 120:370-373(2003)
3. "NIR, an inhibitor of histone acetyltransferases, regulates transcription factor TAp63 and is controlled by the cell cycle." Heyne K., Willnecker V., Schneider J., Conrad M., Raulf N., Schule R., Roemer K. Nucleic Acids Res. 38:3159-3171(2010)

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