

## p63 (N662) polyclonal antibody

Catalog: BS1279

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

The p53 gene is a widely studied anti-oncogene, or tumor suppressor gene. The p53 gene product can act as a negative regulator of cell growth in response to DNA damage. p73 shares a high degree of homology with p53, and appears to have similar growth-inhibiting and apoptosis-promoting functions. However, unlike p53, the expression of p73 is not upregulated in response to DNA damage. p73 can, when overproduced, activate the p53-responsive gene p21. p63 has also been identified based on its similarities with p53. The p63 gene encodes multiple isotypes with variable functions. p63 $\alpha$  (also designated p51B or KET), p63 $\beta$  and p63 $\gamma$  (also designated p51A), as well as corresponding TA\* p63 isoforms, contain transactivation domains which have been shown to transactivate p53 reporter genes and induce apoptosis. p63 isoforms lack the transactivation domain and can act as dominant-negative reagents to inhibit transactivation by p53 and p63.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 77 kDa

### Swiss-Prot:

Q9H3D4

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

### Storage&Stability:

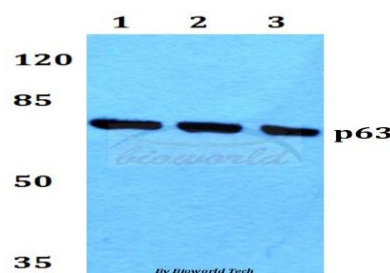
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

p63 (N662) polyclonal antibody detects endogenous levels of p63 protein.

### DATA:

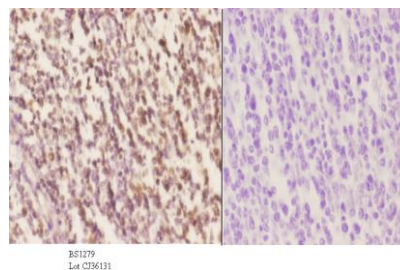


Western blot (WB) analysis of p63 (N662) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate



Immunohistochemistry (IHC) analyzes of p63 (N662) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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