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. p63α (also designated p51B or KET), p63β and p63γ (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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

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

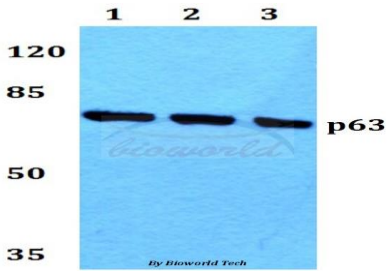
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

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

DATA:

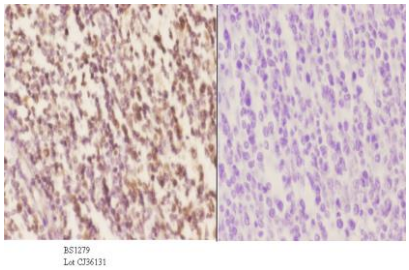


Western blot (WB) analysis of p63 (N662) polyclonal antibody at 1:500 dilution

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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