

## p63 polyclonal antibody

Catalog: BS91008

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The p53 tumor suppressor protein plays a major role in cellular response to DNA damage and other genomic aberrations. Activation of p53 can lead to either cell cycle arrest and DNA repair or apoptosis. In addition to p53, mammalian cells contain two p53 family members, p63 and p73, which are similar to p53 in both structure and function. While p63 can induce p53-responsive genes and apoptosis, mutation of p63 rarely results in tumors. Research investigators frequently observe amplification of the p63 gene in squamous cell carcinomas of the lung, head and neck. The p63 gene contains an alternative transcription initiation site that yields a 40 kDa  $\delta$ Np63 lacking the transactivation domain, and alternative splicing at the carboxy-terminus yields the  $\alpha$ ,  $\beta$ , and  $\gamma$  isoforms.

### Product:

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

### Molecular Weight:

55 kDa

### Swiss-Prot:

Q9H3D4(Human) O88898(Mouse) Q9JJP6(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

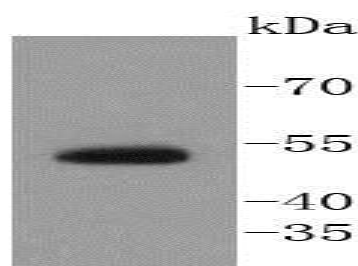
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

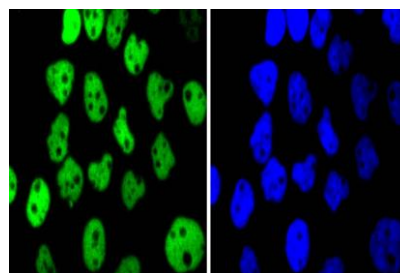
### Specificity:

p63 polyclonal antibody detects endogenous levels of p63 protein.

### DATA:



Western blot analysis of p63 on human kidney lysates using anti-p63 antibody at 1/1,000 dilution.



ICC staining p63 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

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

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