

## Anti-p63 Antibody (4X27)

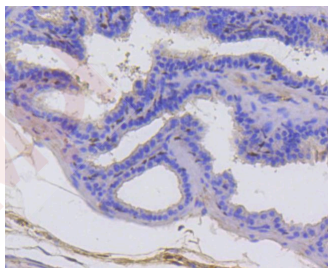
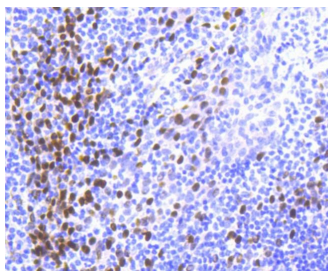
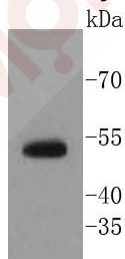
### Product Details

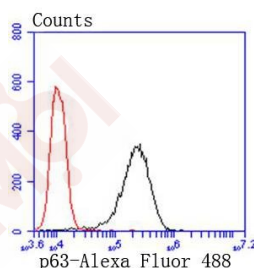
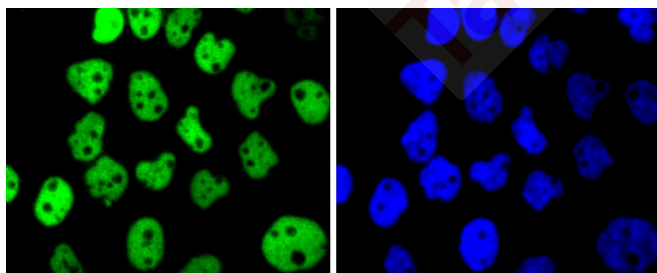
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 55 kDa.
Clone:	4X27
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of p63 on human kidney lysates using anti-p63 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-p63 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-p63 antibody. Counter stained with hematoxylin.
4. 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.
5. Flow cytometric analysis of A431 cells with p63 antibody at 1/50 dilution (black) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM,ICC/IF,IHC,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q9H3D4

Synonyms: AIS;TP53CP;p53CP;p73L;p51;EEC3;TP53L;RHS;KET;SHFM4;TP73L;LMS;NBP;p73H;OFC8;tumor protein p63;B(p51B);B(p51A);p40;p63

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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