

TP63

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

Calculated MW: 77kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human TP63

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bk

Synonym:

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

Catalog #: A2137

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 8626

Isotype: IgG

Swiss Prot: Q9H3D4

Purity: Affinity purification

For research use only.

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 (1). In addition to p53, mammalian cells contain two p53 family members, p63 and p73, which are similar to p53 in both structure and function (2). While p63 can induce p53-responsive genes and apoptosis, mutation of p63 rarely results in tumors (2). Amplification of the p63 gene is frequently observed in squamous cell carcinomas of the lung, head and neck (2,3). The p63 gene contains an alternative transcription initiation site that yields a 40 kDa Δ Np63 lacking the transactivation domain, and alternative splicing at the carboxy-terminus yields the alpha, beta and gamma isoforms (3,4).

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