

TP63

Reactivity: Human

Tested applications: WB

Recommended Dilution: WB 1:500 - 1:1000

Calculated MW: 77kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human TP63

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bk

Synonym:

TP63;AIS;B(p51A);B(p51B);EEC3;KET;LMS;NBP;OFC8;RHS;SHFM4;TP53CP;TP53L;TP73L;p40;p51;p53CP;p63;p73H;p73L

Catalog #: A0089

Antibody Type:

Monoclonal Antibody

Species: Mouse

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, TP63 and p73, which are similar to p53 in both structure and function (2). While TP63 can induce p53-responsive genes and apoptosis, mutation of TP63 rarely results in tumors (2). Amplification of the TP63 gene is frequently observed in squamous cell carcinomas of the lung, head and neck (2,3). The TP63 gene contains an alternative transcription initiation site that yields a 40 kDa deltaNTP63 lacking the transactivation domain, and alternative splicing at the carboxy-terminus yields the alpha, beta and gamma isoforms (3,4).

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