

Tp53

Reactivity: Human Mouse

Tested applications: WB IF

Recommended Dilution: WB 1:500 - 1:2000 IF 1:50 - 1:200

Calculated MW: 44kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human Tp53

Storage Buffer:

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

Synonym:

P53; BCC7; LFS1; TRP53;

Catalog #: A11231

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 7157

Isotype: IgG

Swiss Prot: P02340

Purity: Affinity purification

For research use only.

Background:

This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity.

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