

TP53 Polyclonal Antibody

Catalog No.	A0263	Category	Polyclonal Antibodies
Applications	WB, IF	Observed MW	53kDa
Cross-reactivity	Human	Calculated MW	23-43kDa

Immunogen Information

Immunogen	Recombinant protein of human TP53
Gene ID	7157
Swiss prot	P04637
Synonyms	BCC7;LFS1;P53;TRP53

Product information

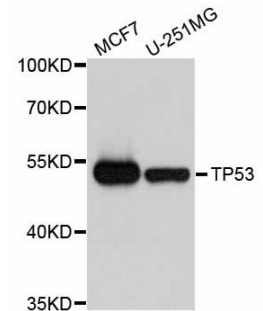
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants (PMIDs: 12032546, 20937277).

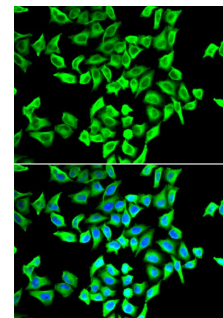
Recommended Dilutions

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



Western blot analysis of extracts of various cell lines, using TP53 antibody (A0263) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunofluorescence analysis of A549 cells using TP53 antibody (A0263).