

p53 Polyclonal Antibody

Catalog Number:E-AB-65674

Note: Centrifuge before opening to ensure complete recovery of vial contents.

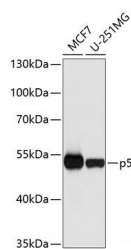
Description

Reactivity	Human,Rat
Immunogen	Recombinant fusion protein of human p53 (NP_000537.3).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications Recommended Dilution

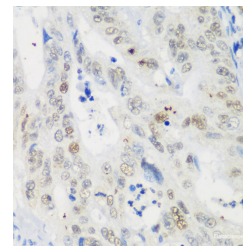
WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

Data

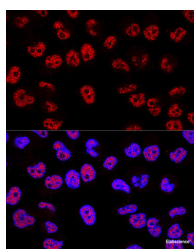


Western blot analysis of extracts of various cell lines using p53 Polyclonal Antibody at dilution of 1:1000.

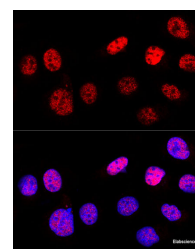
Observed Mw:53kDa
Calculated Mw:23-43kDa



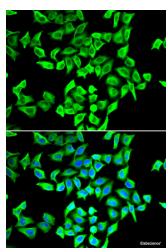
Immunohistochemistry of paraffin-embedded Human colon carcinoma using p53 Polyclonal Antibody at dilution of 1:200 (40x lens).



Confocal immunofluorescence analysis of HeLa cells using p53 Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of U-2 OS cells using p53 Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.



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Immunofluorescence analysis of A549 cells using
p53 Polyclonal Antibody

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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).

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