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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
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
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:53 kDa Calculated-MW:23-43 kDa



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

nuclear staining.



Immunofluorescence analysis of A549 cells using p53 Polyclonal Antibody

For Research Use Only

Toll-free: 1-888-852-8623 Web:www.elabscience.com

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Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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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