

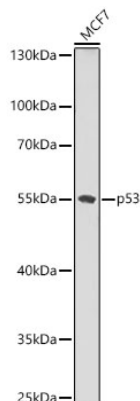


Product name:	p53 Rabbit Polyclonal Antibody
Cat number:	AB0263
Conjugate:	Unconjugated
Host:	Rabbit
Size:	100 ug
Synonyms:	P53; BCC7; LFS1; BMFS5; TRP53; p53
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	Recombinant protein. This information is considered to be commercially sensitive.
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:500 - 1:2000 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200 IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	53kDa
Purification:	Affinity purification
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).
Form:	liquid
Buffer:	PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

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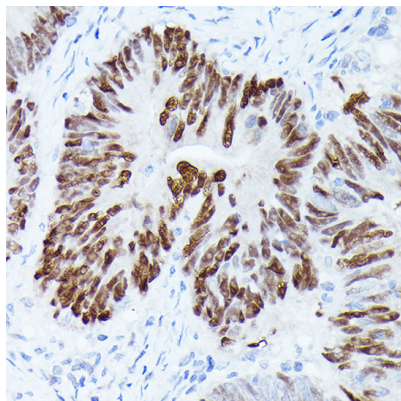
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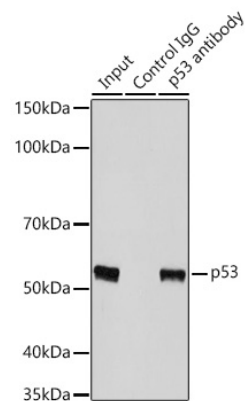


Western blot analysis of lysates from MCF7 cells using p53 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.

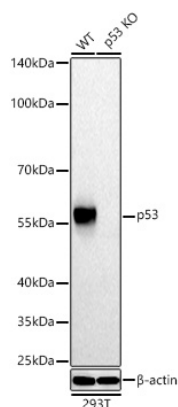
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus.
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using p53 Rabbit pAb at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunoprecipitation of p53 in 200 µg extracts from 293T cells using 3 µg p53 Rabbit pAb. Western blot analysis was performed using p53 Rabbit pAb at 1:3000 dilution.



Western blot analysis of lysates from wild type (WT) and p53 knockout (KO) 293T cells using p53 Rabbit pAb at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus.
Exposure time: 10s.

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