

(KO Validated) p53 Polyclonal Antibody

catalog number: E-AB-93317

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

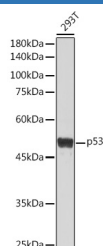
Description

Reactivity	Human
Immunogen	Recombinant fusion protein of human p53
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
IP	1:50-1:200

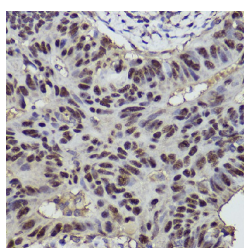
Data



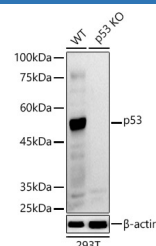
Western blot analysis of extracts of 293T cells using p53 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:53 kDa

Calculated-MW:23-43 kDa



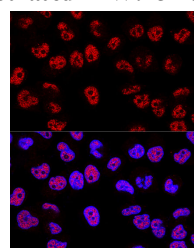
Immunohistochemistry of paraffin-embedded human colon carcinoma using [KO Validated] p53 Polyclonal Antibody at dilution of 1:300 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western blot analysis of extracts from wild type (WT) and p53 knockout (KO) 293T cells using p53 Polyclonal Antibody at 1:1000 dilution.

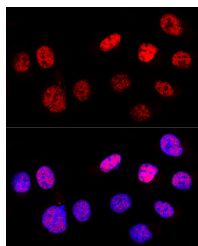
Observed-MW:53 kDa

Calculated-MW:23-43 kDa

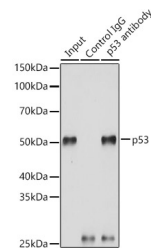


Confocal immunofluorescence analysis of HeLa cells using p53 Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

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Confocal immunofluorescence analysis of U2OS cells using p53 Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of 293T cells using 3ug p53 Polyclonal Antibody. Western blot was performed from the immunoprecipitate using p53 Polyclonal Antibody at a dilution of 1:3000.

Observed-MW:53 kDa

Calculated-MW:23-43 kDa

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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