

[KO Validated] p53 Rabbit pAb

Catalog No.: A0263SP

KO Validated
108 Publications

Basic Information

Observed MW

53 kDa

Calculated MW

24-44 kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, IHC-P, CHIP, ELISA

Cross-Reactivity

Human, Mouse

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 1:1000 - 1:5000

IP 0.2 µg-4 µg antibody for
200 µg-400 µg extracts
of whole cells

IF/ICC 1:200 - 1:1000

IHC-P 1:400 -1:1600

ChIP 2µg antibody for
5µg-10µg of Chromatin

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

7157

Swiss Prot

P04637

Immunogen

This information is considered to be commercially sensitive.

Synonyms

P53; BCC7; LFS1; BMFS5; TRP53; p53

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

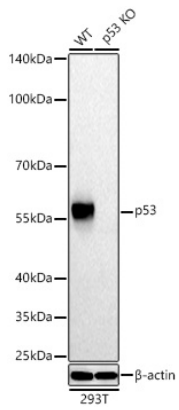
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Validation Data



Western blot analysis of lysates from wild type (WT) and p53 knockout (KO) 293T cells using [KO Validated] p53 Rabbit pAb (A0263SP) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10 s.