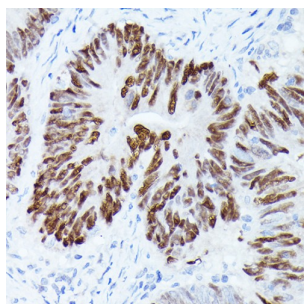
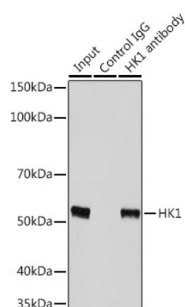


Cellular Tumor Antigen p53 (TP53) Antibody

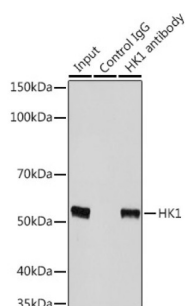
Catalogue No.: abx000648



Western blot analysis of lysates from MCF7 cells using p53 Antibody 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. Exposure time: 30s.



Western blot analysis of lysates from wild type (WT) and p53 knockout (KO) 293T cells using p53 Antibody 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. Exposure time: 10s.



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

TP53 Antibody is a Rabbit Polyclonal antibody against TP53. 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 (PMIDs: 12032546, 20937277).

Target: Cellular Tumor Antigen P53 (TP53)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC, IF/ICC, IP

Datasheet

Version: 4.0.0
Revision date: 01 Sep 2025



Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant protein corresponding to TP53. The exact sequence is proprietary.

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P04637 ([UniProt](#), [ExPASy](#))

Gene Symbol: TP53

GeneID: [7157](#)

OMIM: [133239](#)

NCBI Accession: NP_000537.3

HGNC: 11998

KEGG: hsa:7157

Ensembl: ENSG00000141510

String: [9606.ENSP00000269305](#)

Molecular Weight: Calculated MW: 44 kDa
Observed MW: 53 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.