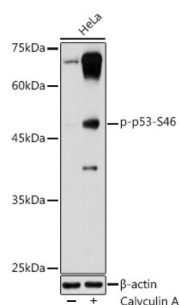
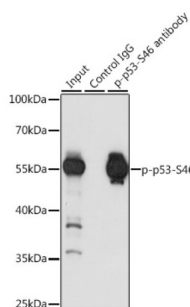


Cellular Tumor Antigen p53 Phospho-Ser46 (TP53 pS46) Antibody

Catalogue No.: abx000519



Western blot analysis of lysates from HeLa cells, using Phospho-p53-S46 Antibody at 1/1000 dilution. HeLa cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes after serum-starvation overnight. 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: 180s.



Immunoprecipitation analysis of 200 µg extracts of 293T cells, using 3 µg Phospho-p53-S46 antibody. Western blot was performed from the immunoprecipitate using Phospho-p53-S46 antibody at a dilution of 1/1000. 293T cells were treated by UV at room temperature for 30 minutes after serum-starvation overnight, and then treated by 10% FBS at 37 °C for 30 minutes.

TP53 (pS46) Antibody is a Rabbit Polyclonal antibody against TP53 (pS46). 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 Phospho-Ser46 (TP53 pS46)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB, IP

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Synthetic peptide corresponding to TP53 (pS46). The exact sequence is proprietary.

Datasheet

Version: 6.0.0
Revision date: 24 Sep 2025



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.