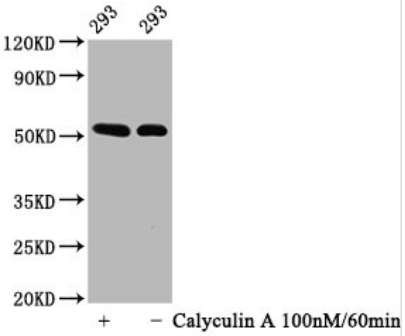
Phospho-TP53 (S392) Antibody

Product Code	CSB-RA024077A392phHU
Abbreviation	Cellular tumor antigen p53
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04637
Immunogen	A synthesized peptide derived from Human Phospho-TP53 (S392)
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF is involved in activating oxidative stress-induced necrosis; the function is largely independent of transcription. Induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkln1. LincRNA-p21 participates in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. Implicated in Notch signaling cross-over. Prevents CDK7 kinase activity when associated to CAK complex in response to DNA damage, thus stopping cell cycle progression. Isoform 2 enhances the transactivation activity of isoform 1 from some but not all TP53-inducible promoters. Isoform 4 suppresses transactivation activity and impairs growth suppression mediated by isoform 1. Isoform 7 inhibits isoform 1-mediated apoptosis. Regulates the circadian clock by repressing CLOCK-ARNTL/BMAL1-mediated transcriptional activation of PER2 (PubMed:24051492).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Antigen NY-CO-13 antibody; BCC7 antibody; Cellular tumor antigen p53 antibody; FLJ92943 antibody; LFS1 antibody; Mutant tumor protein 53 antibody; p53 antibody; p53 tumor suppressor antibody; P53_HUMAN antibody; Phosphoprotein p53 antibody; Tp53 antibody; Transformation related protein 53 antibody; TRP53 antibody; tumor antigen p55 antibody; Tumor protein 53 antibody; Tumor protein p53 antibody; Tumor suppressor p53 antibody

Immunogen Species	Homo sapiens (Human)
Research Area	Cell Biology
Gene Names	TP53
Accession NO.	3F5

Image



Western Blot
Positive WB detected in: 293 whole cell lysate(treated with Calyculin A or not)
All lanes: Phospho-TP53 antibody at 0.64μg/ml
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 53 KDa
Observed band size: 53 KDa