

Anti-p53 Antibody

CATALOG NO.: A1805-100 100 µl.

BACKGROUND DESCRIPTION: The p53 tumor suppressor protein plays a major role in cellular response to DNA damage and other genomic aberrations. The activation of p53 can lead to either cell cycle arrest and DNA repair or apoptosis. p53 is phosphorylated at multiple sites in vivo and by several different protein kinases in vitro. p53 can apparently be phosphorylated by ATM, ATR, and DNA-PK at Ser15; the phosphorylation impairs the ability of MDM2 to bind p53, promoting both the accumulation and functional activation of p53 in response to DNA damage.

ALTERNATE NAMES: BCC7; Cellular tumor antigen p53; FLJ92943; LFS1; Mutant tumor protein 53; p53; p53 tumor suppressor; P53_HUMAN; Phosphoprotein p53; Tp53; Transformation related protein 53; TRP53; Tumor protein 53; Tumor protein p53; Tumor suppressor p53.

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG.

IMMUNOGEN: Synthetic peptide corresponding to amino acids near the N-terminus of human p53 (ID# BV-Q51).

PURIFICATION: Affinity purified.

FORM: Liquid.

FORMULATION: In phosphate buffered saline (PBS), pH 7.2 containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

SPECIES REACTIVITY: Rat, Mouse, Human

STORAGE CONDITIONS: Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

APPLICATIONS AND USAGE: Western blot: 1:500-1:1000 (**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.**)

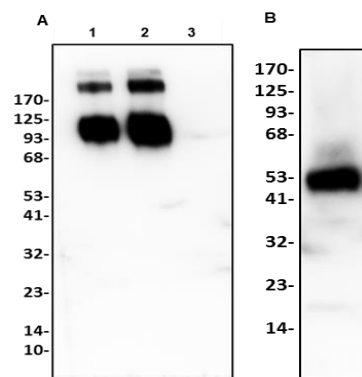


Fig. A. Western blot of p53 and phospho-p53 Peptide conjugated to BSA using Anti-p53 antibody:

Lane 1: p53 peptide-BSA (1 ng)
 Lane 2: p-p53 peptide-BSA (1 ng)
 Lane 3: BSA (1 ng)

Fig. B. Western blot of 293 cell lysate using Anti-p53 antibody.

RELATED PRODUCTS:

Phospho-p53 (Ser15) Antibody (A1806).
 Anti-p53 Antibody (56F12-2) (A1581).
 p53 Antibody (3036R).

FOR RESEARCH USE ONLY! Not to be used on humans.