

# recMAb™ Anti-p53 Antibody

09/20

CATALOG NO.: **A2224-100 (100 µg)**

**BACKGROUND DESCRIPTION:** 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.

**ALTERNATE NAMES:** P53, BCC7, LFS1, BMFS5, TRP53, TP53

**ANTIBODY TYPE:** Monoclonal

**CLONE:** TP53/2092R

**CONCENTRATION:** 1 mg/ml

**HOST/ISOTYPE:** Rabbit / IgG

**IMMUNOGEN:** Recombinant full-length human TP53 protein

**MOLECULAR WEIGHT:** 53 kDa

**PURIFICATION:** Protein A purified

**FORM:** Liquid

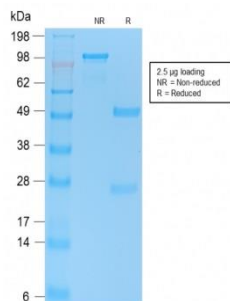
**FORMULATION:** In 10 mM PBS

**SPECIES REACTIVITY:** Human, Monkey, Chicken, Hamster, Dog. Does not react with Mouse and Rat.

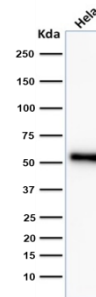
**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze/thaw cycles

**APPLICATIONS AND USAGE:** WB (1-2 µg/ml), IHC (1-2 µg/ml)

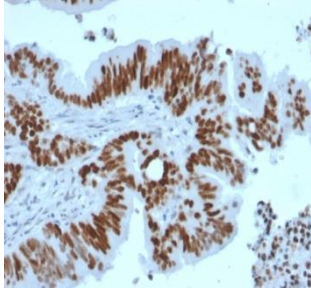
**This information is only intended as a guide. The optimal dilutions must be determined by the user**



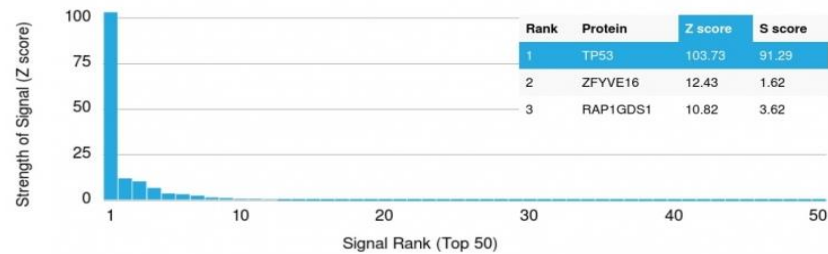
SDS-PAGE analysis to confirm the purity and integrity of recMAb™ Anti-p53 antibody.



Western blot analysis of HELA whole cell lysates using recMAb™ Anti-p53 antibody.



Immunohistochemical analysis of paraffin embedded formalin fixed human colon carcinoma using recMAb™ Anti-p53 antibody.



Protein Array analysis of > 19,000 full-length human proteins on HuProt™ array using the recMAb™ Anti-p53 antibody. Protein array data is represented in the form of the Z-score and S-score. Z-score denotes signal strength of a monoclonal antibody (in conjugation with fluorescently-tagged anti-IgG secondary antibody) which it produces when binding to a particular protein on an array. S-score denotes the specificity of a monoclonal antibody relative to the target protein. S-score is calculated as the difference between the Z-scores. If the S-score is > 2.5, then the monoclonal antibody is specific to its target protein of interest.

#### RELATED PRODUCTS:

Anti-p73 Monoclonal Antibody (Clone: ABM1G28) (A1531)  
 Anti-PARP Antibody (2B6) (A1109)  
 Bcl-2 Antibody (3033)  
 GSK-3b Antibody (3494)

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