

bs-8687R**[Primary Antibody]**

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P53 Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 7157**SWISS:** P04637**Target:** P53**Immunogen:** Full length P53 protein of human origin: 1-393/393.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

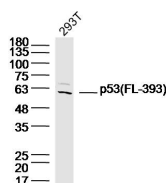
Background: This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, 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). [provided by RefSeq, Feb 2013].

Applications: WB (1:1000-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**ICC/IF** (1:100)

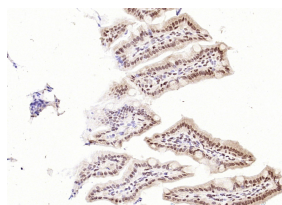
Reactivity: Human, Mouse, Rat
(predicted: Pig, Sheep,
Cow, Dog, Horse, Monkey)

**Predicted
MW.:** 53 kDa

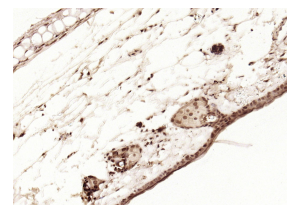
**Subcellular
Location:** Cytoplasm ,Nucleus

— VALIDATION IMAGES —

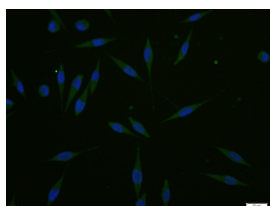
Sample: 293T Cell (Human) Lysate at 40 ug
Primary: Anti-p53 (FL-393) (bs-8687R) at 1/300
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 53 kD Observed band size: 60 kD



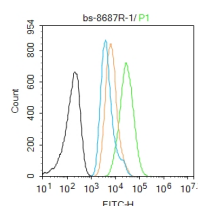
Paraformaldehyde-fixed, paraffin embedded
(mouse intestine); Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15min; Block
endogenous peroxidase by 3% hydrogen
peroxide for 20 minutes; Blocking buffer (normal
goat serum) at 37°C for 30min; Antibody
incubation with (p53 (FL-393)) Polyclonal
Antibody, Unconjugated (bs-8687R) at 1:200
overnight at 4°C, followed by operating
according to SP Kit(Rabbit) (sp-0023)
instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded
(mouse skin); Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15min; Block
endogenous peroxidase by 3% hydrogen
peroxide for 20 minutes; Blocking buffer (normal
goat serum) at 37°C for 30min; Antibody
incubation with (p53 (FL-393)) Polyclonal
Antibody, Unconjugated (bs-8687R) at 1:200
overnight at 4°C, followed by operating
according to SP Kit(Rabbit) (sp-0023)
instructionsand DAB staining.



A431 cell; 4% Paraformaldehyde-fixed; Triton
X-100 at room temperature for 20 min; Blocking
buffer (normal goat serum, C-0005) at 37°C for 20



Blank control:A549. Primary Antibody (green
line): Rabbit Anti-p53 (FL-393) antibody
(bs-8687R) Dilution: 1μg /10^6 cells; Isotype

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

min; Antibody incubation with (p53 (FL-393)) polyclonal Antibody, Unconjugated (bs-8687R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-AF488
Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=45.5]** Yash Chhabra. et al. Sex-dependent effects in the aged melanoma tumor microenvironment influence invasion and resistance to targeted therapy. CELL. 2024 Oct;187:6016-6034.e25 WB ;Mouse,Human. 39243764
- **[IF=41.444]** Merle Nastasja. et al. Monitoring autochthonous lung tumors induced by somatic CRISPR gene editing in mice using a secreted luciferase. MOL CANCER. 2022 Dec;21(1):1-22 WB ;Mouse. 36192757
- **[IF=10.75]** Liu, Zhenni. et al. CD73/NT5E-mediated ubiquitination of AURKA regulates alcohol-related liver fibrosis via modulating hepatic stellate cell senescence. INT J BIOL SCI. 2023 Jan;19(3):950-966 WB ;Human,Mouse. 36778123
- **[IF=11]** Yu-Sheng Shi. et al. Melatonin Mitigates Atrazine-Induced Renal Tubular Epithelial Cell Senescence by Promoting Parkin-Mediated Mitophagy. Research. 2024 May;7 WB ;Mouse. 38766643
- **[IF=9.727]** Jacquelyn Powers. et al. A Rare TP53 Mutation Predominant in Ashkenazi Jews Confers Risk of Multiple Cancers. Cancer Res. 2020 Sep;80(17):3732-3744 WB ;Human. 32675277