P53 Rabbit pAb

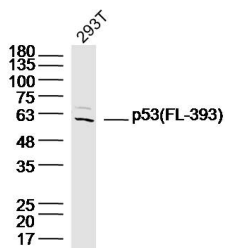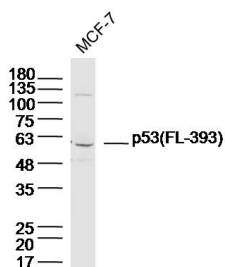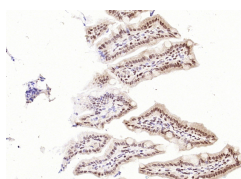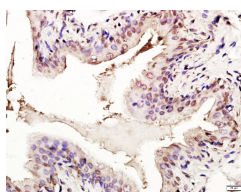|	
Catalog Number:	bs-8687R
Target Protein:	P53
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:1000-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/Test), ICC/IF (1:100)
Reactivity:	Human, Mouse, Rat (predicted:Pig, Sheep, Cow, Dog, Horse)
Predicted MW:	53 kDa
Entrez Gene:	7157
Swiss Prot:	P04637
Source:	Full length P53 protein of human origin: 1-393/393.
Purification:	affinity purified by Protein A
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].

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

Sample: MCF-7 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
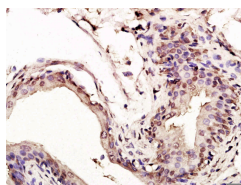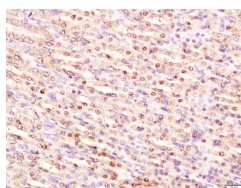

Paraformaldehyde-fixed, paraffin embedded (mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p53 (FL-393)) Polyclonal 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 (Rat bladder); 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 Σ C for 30min; Antibody incubation with (Transformation related protein 53; P53) Polyclonal Antibody, Unconjugated (bs-8687R) at 1:400 overnight at 4 Σ C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

Paraformaldehyde-fixed, paraffin embedded (Rat bladder); 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 Σ C for 30min; Antibody incubation with (Transformation related protein 53; P53) Polyclonal Antibody, Unconjugated (bs-8687R) at 1:400 overnight at 4 Σ C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

Paraformaldehyde-fixed, paraffin embedded (Rat stomach); 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 Σ C for 30min; Antibody incubation with (Transformation related protein 53; P53) Polyclonal Antibody, Unconjugated (bs-8687R) at 1:400 overnight at 4 Σ C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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