bs-1650R **[Primary Antibody]**

phospho-P53 (Ser392) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7157 **SWISS:** P04637

Target: P53 (Ser392)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human P53 around the phosphorylation site of Ser392: PD(p-S)D.

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].

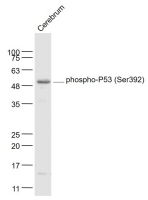
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)
ICC/IF (1:50-1:200)

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

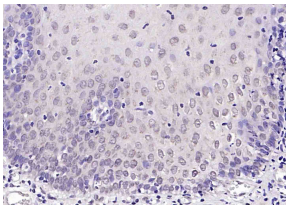
Predicted MW.: 43 kDa

Subcellular Location: Cytoplasm ,Nucleus

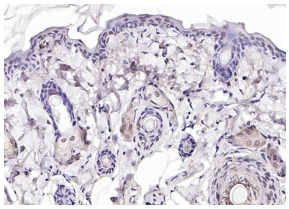
VALIDATION IMAGES



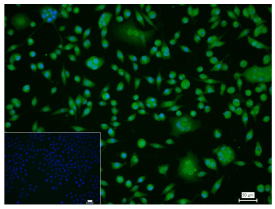
Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti- phospho-P53 (Ser392) (bs-1650R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 53 kD



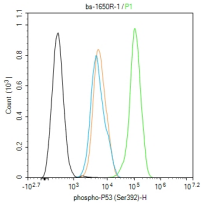
Paraformaldehyde-fixed, paraffin embedded (Human esophageal); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (phospho-P53 (Ser392)) Polyclonal Antibody, Unconjugated (bs-1650R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



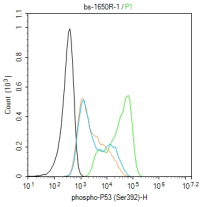
Paraformaldehyde-fixed, paraffin embedded (rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (phospho-P53 (Ser392)) Polyclonal Antibody, Unconjugated (bs-1650R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



4% Paraformaldehyde-fixed A431 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with



Blank control（black line）:Hela. Primary Antibody (green line): Rabbit Anti-phospho-P53



The A431 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-

(phospho-P53 (Ser392)) polyclonal Antibody, unconjugated (bs-1650R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

(Ser392) antibody (bs-1650R) Dilution:1ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG 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.

cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti-phospho-P53 (Ser392) antibody (bs-1650R): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-40295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=7.65]** Li X et al. Cyanidin-3-O-glucoside Restores Spermatogenic Dysfunction in Cadmium-exposed Pubertal Mice via Histone Ubiquitination and Mitigating Oxidative Damage. Journal of Hazardous Materials,2019, 121706. WB ;Mouse. doi:10.1016/j.jhazmat.2019.121706
- **[IF=5.6]** Jing Zhang. et al. Paenibacillus exopolysaccharide repairs GI inflammation by suppressing MAPK and NF-κB and restoring lipid production in Caco-2 cell line. J FUNCT FOODS. 2023 Aug;107:105709 WB ;Human. 10.1016/j.jff.2023.105709
- **[IF=6.1]** Jianfang Wang. et al. Knockdown of NFIC Promotes Bovine Myoblast Proliferation through the CENPF/CDK1 Axis. J AGR FOOD CHEM. 2024;72(22):12641−12654 WB ;Bovine. 38780097