

**bs-0905R****[ Primary Antibody ]**

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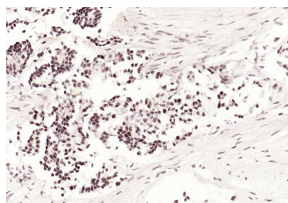
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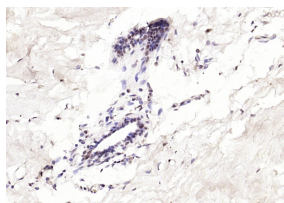
400-901-9800

**P53 (Acetyl K382) Rabbit pAb****— DATASHEET —**

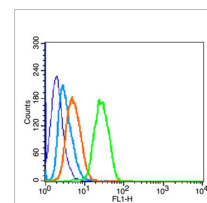
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1µg/Test)  <b>Reactivity:</b> Human (predicted: Dog)  <b>Predicted MW.:</b> 43 kDa  <b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 7157	<b>SWISS:</b> P04637	
<b>Target:</b> P53 (Acetyl K382)		
<b>Immunogen:</b> KLH conjugated Synthesised acetylpeptide derived from human p53 around the acetylation site of K382: HK(Ac-K)LM.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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 —**

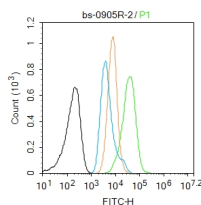
Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p53 (Acetyl K382)) Polyclonal Antibody, Unconjugated (bs-0905R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); 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 (Acetyl K382)) Polyclonal Antibody, Unconjugated (bs-0905R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): HeLa (blue). Primary Antibody (green line): Rabbit Anti-p53 (Acetyl K382) antibody (bs-0905R) Dilution: 1µg/10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1µg/test. Protocol The cells were fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control:A549. Primary Antibody (green line): Rabbit Anti- antibody (bs-3152R) Dilution: 2µg /10<sup>6</sup> cells; Isotype 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=6.792]** Zixuan Liu. et al. Iron-bearing nanoparticles trigger human umbilical vein endothelial cells ferroptotic responses by promoting intracellular iron level. Environ Pollut. 2021 Oct;287:117345 WB ;Human. 34004477
- **[IF=4.873]** Jang Y et al. Gallic acid, a phenolic acid, hinders the progression of prostate cancer by inhibition of histone deacetylase 1 and 2 expression. J Nutr Biochem. 2020 Oct;84:108444. IHC ;Mouse&Human. 32615369
- **[IF=1.692]** Gao D et al. Protective effect of astaxanthin against contrast-induced acute kidney injury via SIRT1-p53 pathway in rats.(2018)Int Urol Nephrol WB ;Rat. 30456546
- **[IF=0]** Szabó Borbála. et al. Aspirin mediates its antitumoral effect through inhibiting PTTG1 in pituitary adenoma. AUST J CLIN ENDOCR M. 2022 Sep;; WB ;Human, Rat. 36059148