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## P53 (Acetyl K382) Rabbit pAb

Catalog Number: bs-0905R

Target Protein: P53 (Acetyl K382)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test)

Reactivity: Human (predicted:Dog)

Predicted MW: 43 kDa

Entrez Gene: 7157

Swiss Prot: P04637

Source: KLH conjugated Synthesised acetylpeptide derived from human p53 around the acetylation site of K382: HK(Ac-K)LM.

Purification: affinity purified by Protein A

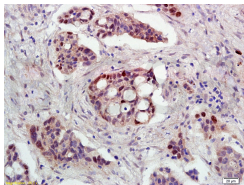
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

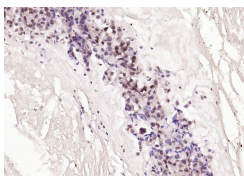
**Background:** This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA 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

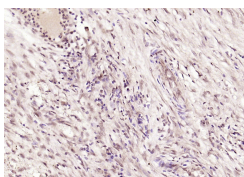
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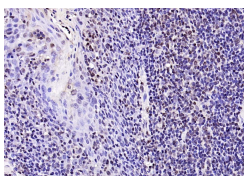
Tissue/cell: human Ovarian Cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Acetyl-p53(K382) Polyclonal Antibody, Unconjugated(bs-0905R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



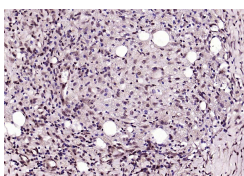
Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p53 (Acetyl K382)) Polyclonal Antibody, Unconjugated (bs-0905R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



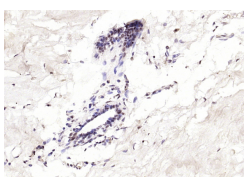
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p53 (Acetyl K382)) Polyclonal Antibody, Unconjugated (bs-0905R) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); 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 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 (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.

## PRODUCT SPECIFIC PUBLICATIONS

[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

