

bsm-33058M**[Primary Antibody]****BioSS**
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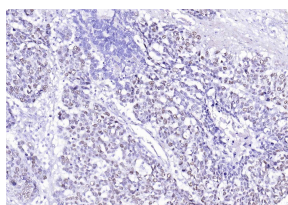
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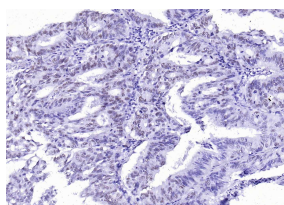
400-901-9800

P53 Mouse mAb**— DATASHEET —**

Host: Mouse Clonality: Monoclonal GeneID: 7157 Target: P53 Purification: affinity purified by Protein G Concentration: 1mg/ml Storage: Size : 50ul/100ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS 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].	Isotype: IgG CloneNo.: 8D6 SWISS: P04637	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human Predicted MW.: 53 kDa Subcellular Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Human esophageal cancer); 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) Monoclonal Antibody, Unconjugated (bsm-33058M) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) 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) Monoclonal Antibody, Unconjugated (bsm-33058M) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=15.153]** Xu Chen. et al. Chiral Ruthenium Nanozymes with Self-Cascade Reaction Driven the NO Generation Induced Macrophage M1 Polarization Realizing the Lung Cancer “Cocktail Therapy” . SMALL. 2023 Apr;;2207823 WB ;Mouse. 37029560
- **[IF=11.161]** Cui Yuanbo. et al. RNA m6A demethylase FTO-mediated epigenetic up-regulation of LINC00022 promotes

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

- tumorigenesis in esophageal squamous cell carcinoma. J Exp Clin Canc Res. 2021 Dec;40(1):1-20 WB ;human. 34544449
- **[IF=9.429]** Li, Guang. et al. Synergetic delivery of artesunate and isosorbide 5-mononitrate with reduction-sensitive polymer nanoparticles for ovarian cancer chemotherapy. J NANOBIOECHANOL. 2022 Dec;20(1):1-13 WB ;Human. 36335352
 - **[IF=6.796]** Hongyan Yu. et al. TBBPA rather than its main derivatives enhanced growth of endometrial cancer via p53 ubiquitination. J ENVIRON SCI-CHINA. 2022 Dec;; WB,CoIP,IHC ;Human, Mouse. 10.1016/j.jes.2022.12.030
 - **[IF=7]** Tao Tong. et al. Revitalizing Photoaging Skin through Eugenol in UVB-Exposed Hairless Mice: Mechanistic Insights from Integrated Multi-Omics. ANTIOXIDANTS-BASEL. 2024 Feb;13(2):168 IHC ;Mouse. 10.3390/antiox13020168