

**bsm-60806R****[ Primary Antibody ]**

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## P53 Recombinant Rabbit mAb

### — DATASHEET —

**Host:** Rabbit**Clonality:** Recombinant**GeneID:** 7157**Target:** P53**Immunogen:** A synthesized peptide derived from human p53: 360-393.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** PBS, Glycerol, BSA.

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

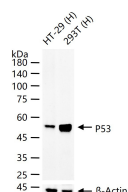
**Background:** This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA 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.:** 3H6**SWISS:** P04637

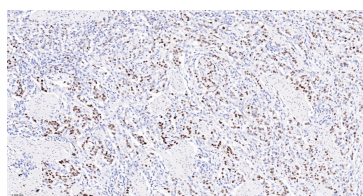
**Applications:** **WB** (1:2000-20000)  
**IHC-P** (1:200-1000)  
**IHC-F** (1:200-1000)  
**IF** (1:200-1000)  
**Flow-Cyt** (1ug/Test)  
**ICC/IF** (1:100-200)

**Reactivity:** Human**Predicted MW.:** 43 kDa**Observed MW.:** 53 kDa**Subcellular Location:** Cytoplasm ,Nucleus

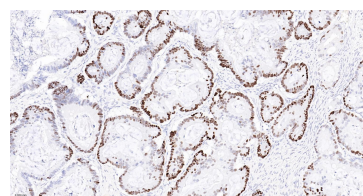
### — VALIDATION IMAGES —



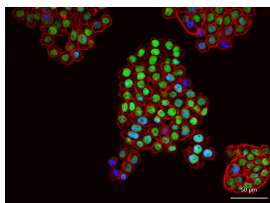
25 ug total protein per lane of various lysates (see on figure) probed with P53 monoclonal antibody, unconjugated (bsm-60806R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



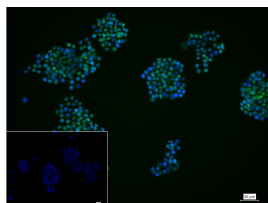
Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with P53 Monoclonal Antibody, Unconjugated (bsm-60806R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



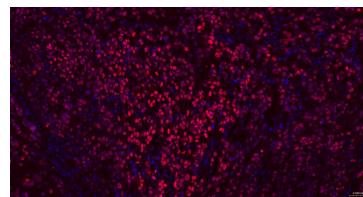
Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with p53 Monoclonal Antibody, Unconjugated (bsm-60806R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HT-29 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (P53) monoclonal Antibody, unconjugated (bsm-60806R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, then stained with



4% Paraformaldehyde-fixed HT-29 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (P53) monoclonal Antibody, unconjugated (bsm-60806R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to



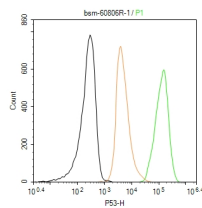
Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with P53 Monoclonal Antibody, Unconjugated (bsm-60806R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG

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

Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.

stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



The HT-29 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-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.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-p53 antibody (bsm-60806R),1 $\mu$ g/10<sup>6</sup> cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.