

**bs-3706R****[ Primary Antibody ]****phospho-P53 (Ser37) Rabbit pAb****Bioss**  
**ANTIBODIES**

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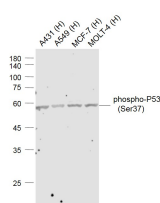
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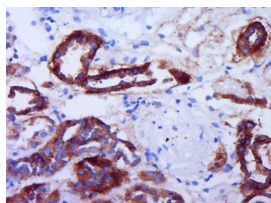
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 7157**SWISS:** P04637**Target:** P53 (Ser37)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human P53 around the phosphorylation site of Ser37: LP(p-S)QA.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

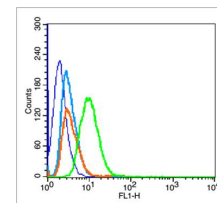
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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** (1µg /test)**Reactivity:** Human**Predicted**  
**MW.:** 43 kDa**Subcellular**  
**Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: Lane 1: A431 (Human) Cell Lysate at 30 ug  
 Lane 2: A549 (Human) Cell Lysate at 30 ug  
 Lane 3: MCF-7 (Human) Cell Lysate at 30 ug  
 Lane 4: MOLT-4 (Human) Cell Lysate at 30 ug  
 Primary: Anti-phospho-P53 (Ser37) (bs-3706R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 53 kD  
 Observed band size: 58 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney); 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 (p-P53(Ser37)) Polyclonal Antibody, Unconjugated (bs-3706R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): HeLa (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-phospho-P53(Ser37) antibody (bs-3706R), 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.