

bs-3703R**[Primary Antibody]****phospho-P53 (Ser20) Rabbit pAb****BioSS**
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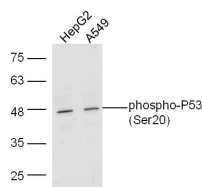
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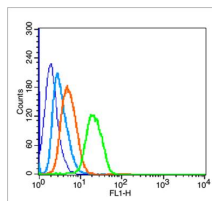
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 7157**SWISS:** P04637**Target:** P53 (Ser20)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human P53 around the phosphorylation site of Ser20: TF(p-S)DL.**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)**Flow-Cyt** (3µg /test)**Reactivity:** Human, Rat
(predicted: Mouse, Rabbit,
Pig, Sheep, Cow, Dog,
GuineaPig, Horse)**Predicted
MW.:** 43 kDa**Subcellular
Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: HepG2 Cell Lysate at 30 ug A549 Cell
Lysate at 30 ug Primary: Anti- phospho-
P53(Ser20) (bs-3703) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 43 kD
Observed band size: 48 kD



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 (Ser20)
antibody(bs-3703R),Dilution: 5µg /10⁶ cells;
Isotype Control Antibody (orange line): Rabbit
IgG . Secondary Antibody (white blue line): Goat
anti-rabbit IgG-FITC,Dilution: 1µg /test.