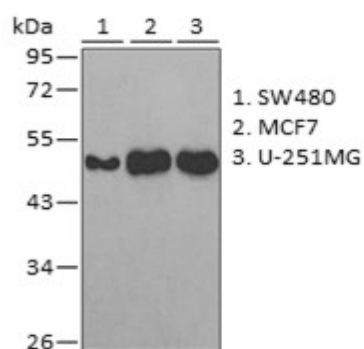
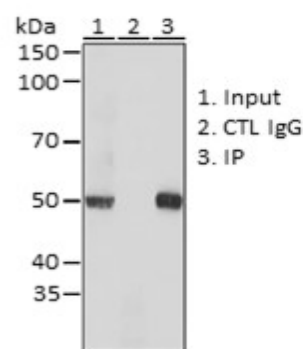


Product Name: p53 Rabbit pAb
Catalog #: Z1952-20; Z1952-100
Also Known As: TP53; BCC7; LFS1; P53; TRP53; p53; BMFS5
Quantity: 20 µl for Z1952-20; 100 µl for Z1952-100
Concentration: See labels on tube
Host Species: Rabbit
Isotype: IgG
Reactivity: Human, Mouse, Rat
Immunogen: Recombinant protein of human p53.
Swiss Prot. #: P04637
Calculated MW: 43 kDa
Detected MW: 62 kDa
Applications: WB (1:500 - 1:2,000)
 IP (1:50 - 1:200)
 IHC (1:50 - 1:200)
 IF (1:50 - 1:200)
 Note: Antibody dilution should be optimized by users.

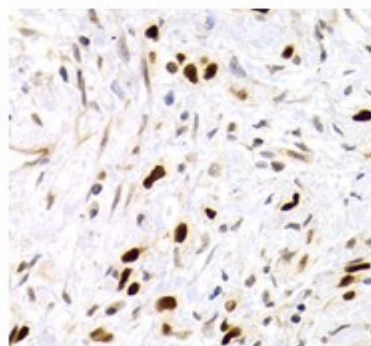
Images:



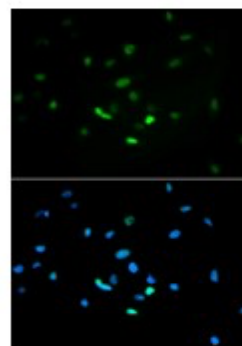
Immunoblotting 25 µg whole cell extracts of various cell lines using p53 antibody (Z1952) at 1:1,000 dilution.



Immunoprecipitation of 200 µg 293T cell extracts using 3 µg p53 antibody (Z1952). Immunoblotting: same antibody at 1:1,000 dilution.



Immunohistochemistry of paraffin-embedded human gastric cancer using p53 antibody (Z1952) at 1:100 dilution.



Immunofluorescence of MCF7 cells using p53 antibody (Z1952) at 1:100 dilution. Blue: DAPI nuclear staining.

Purification: Protein A or G affinity purification

- Buffer:** PBS with 0.02% sodium azide, 50% glycerol, pH7.3
- Storage:** Store at -20°C. Centrifuge to maximize product recovery.
- Background:** P53 is a tumor suppressor that plays a role in maintaining genomic stability and controlling apoptosis. During the cell cycle, it can arrest cells at the G1/S checkpoint and activate DNA repair mechanisms. It is the most mutated gene in cancer. In unstressed cells, p53 usually exists at low levels in an inactive form, being bound to Mdm2.
- Reference:**
1. Shieh SY, et al. (1997) Cell 91, 325 - 334.
 2. Levine AJ (1997) Cell 88, 323 - 331.