

## p53 Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 3340

**Format:** 100ug Protein G-purified antibody in PBS, pH 7.4

### BACKGROUND

p53 is a tumor suppressor protein that is mutated in a wide variety of cancers. p53 is a nuclear protein that mediates cell cycle arrest in response to DNA damage which is important in maintaining genomic stability.

### SPECIFICATION SUMMARY

**Antigen:** Gel-purified p53 containing aa 14-389 of human p53.

**Host Species:** Mouse

**Antibody Class:** IgG1

**Gene ID:** 7157

**Accession no.:** P04637

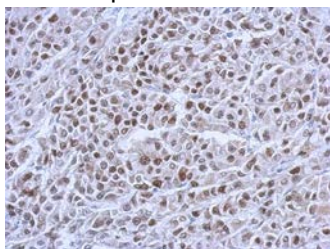
### SPECIFICITY

This antibody recognizes human, mouse, and dog p53.

### APPLICATIONS

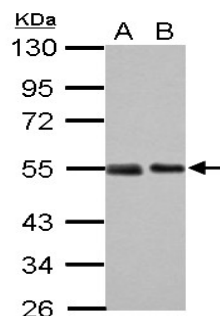
*ELISA, FACS, IHC (frozen and paraffin), Immunoprecipitation, Immunoblotting.*

*IHC:* use at 2-4ug/ml. Extensive washing may be necessary. Protein digestion and/or microwave antigen retrieval prior to staining is not required.



#3340 on paraffin-embedded HBL435 xenograft.

*Immunoblotting:* use at 0.5-1.0mg/ml. A band of 53kDa is detected.



#3340 on 30ug of 293T (A) and A431 (B) cell lysates.

*Immunoprecipitation:* use at 10ug/mg of lysate. This antibody reacts only with mutant p53 under non-denaturing conditions.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*