

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

Clone no.: Pab240

Antibody Class: IgG1

Gene ID: 7157

Accession no.: P04637

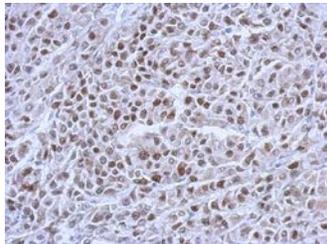
SPECIFICITY

This antibody recognizes human, mouse, and dog p53.

APPLICATIONS

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

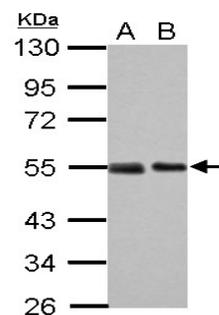
IHC: use at 2-4ug/ml. Extensive washing may be necessary. Protein digestion and/or microwave antigen retrieval prior to staining is not required.



#3340 on paraffin-embedded HBL435 xenograft.

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

Immunoblotting: use at 5-10ug/ml. A band of 53kDa is detected.



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

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.