

p53 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 3339

Format: 100ug Protein A-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: Recombinant human p53 expressed in *E. coli*.

Host Species: Mouse

Clone no.: D01

Antibody Class: IgG2a

Gene ID: 7157

Accession no.: P04637

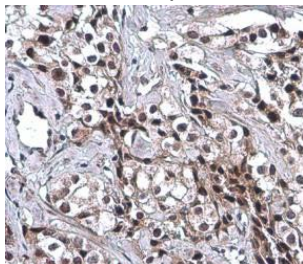
SPECIFICITY

This antibody recognizes human and mouse p53.

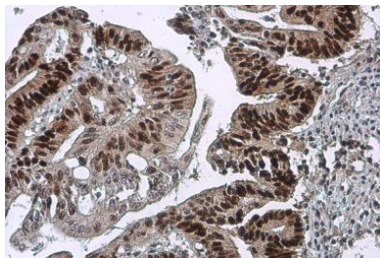
APPLICATIONS

IHC (frozen and paraffin), Immunoblotting.

IHC: use at 1-10ug/ml. Antigen retrieval: citrate buffer, pH 6.0, 15 minutes.

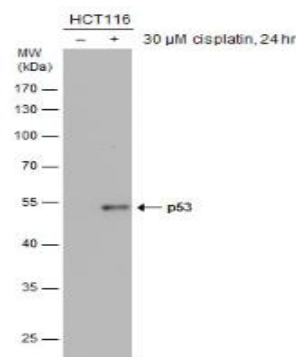


#3339 on paraffin-embedded human breast carcinoma.



#3339 on paraffin-embedded human colon carcinoma.

Immunoblotting: use at 1-5ug/ml. A band of 53kDa is detected.



#3339 on untreated (-) and treated (+) HCT116 cell extracts.

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.