

P53 (AB1231) mouse mAb

W0467

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 53 kDa (calculated)
- 53 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1231

Immunogen A synthetic peptide corresponding to the amino acid region 250 - 393 of the human P53 protein.

Specificity The antibody can recognize human wild type and mutant P53 protein. In western blotting of wild type HEK293 cell lysate, the antibody can label a 53 kDa band corresponding to P53, while there is no band detected in P53 knock out HEK293 cell lysate.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name TP53

Protein Name P53

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P04637	7157

Background P53 is a tumor suppressor gene located on chromosome 17. The mutation of p53 gene will change its spatial conformation and turn into oncogene, and then lose the regulation of cell growth. Human, Rat, Mouse, and DNA repair. The mutation or deletion of p53 gene is the cause of many tumors. Compared with the wild-type protein, the mutant p53 protein has a longer half-life, so it is easier to detect by immunohistochemistry. The p53 mutant protein is expressed in many kinds of tumors, such as breast cancer, gastrointestinal cancer, hepatocellular carcinoma and respiratory tract tumor. It is mainly used for the study of various tumors and can be used as an indicator of tumor prognosis.