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P53 (AB1574) mouse mAb

V0429

Key Features

Host Species
- Mouse

Reactivity
- Human;

Applications
- Immunohistochemistry (IHC)

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

Isotype
- IgG2a, kappa

Recommended Dilution Ratios

Application	Dilution
Immunohistochemistry (IHC)	IHC, 1:50-1:100

Storage

Storage Conditions	Store at-20℃. 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	AB1574
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.
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, apoptosis 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.