p53 Monoclonal antibody

Cat:B32134R **Company：** Haokebio

Uniprot ID:P04637

Organism: Mouse

Species reactivity: Human

Applications: IHC:1:100-1:200
IHC-Polymer:1:400-1:800
TSA:1:500-1:1000

Background:

p53 is a tumor suppressor and transcription factor. By binding to DNA, p53 exerts a negative regulatory effect on cell growth and division. In the case of DNA damage, p53 halts the cell cycle until DNA repair occurs. If DNA repair is not feasible, p53 induces cell apoptosis.p53 acts at two checkpoints in the cell cycle, namely between the G1 and S phases, and between the G2 and M phases. p53 is expressed in the cell nuclei of all normal cells, but due to its very short half-life, it is usually undetectable by immunohistochemistry.In tumor tissues, p53 is overexpressed in more than 50% of human cancers. Positive p53 staining detected by immunohistochemistry has been found in cancers such as colon cancer, breast cancer, lung cancer, prostate cancer, and ovarian cancer. p53 is used to distinguish uterine serous carcinoma from endometrial carcinoma, and serves as a marker for intratubular germ cell tumors.

Protein full name:

tumor protein p53

Synonyms:

TP53, Tumour Protein p53, Tumor suppressor p53, tumor protein p53, Antigen NY-CO-13

Immunogen:

Peptide

Isotype:

IgG

Subcellular location:

Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02%sodium azide,100 μg/ml BSA and 50% glycerol.

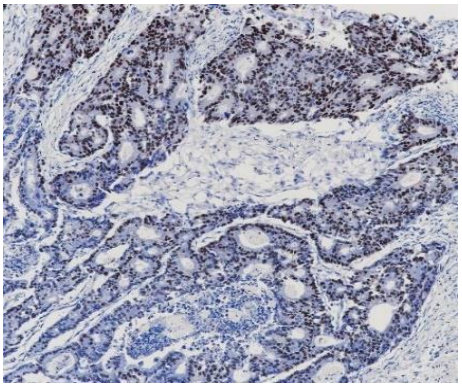
Storage:

Store at -20 ℃ for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes.Incubate antibody, 4℃ overnight.Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Human colon cancer tissue,4% PFA 12-24h

Source of Reagents:

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发表[英文论文]请标注:p53(B32134R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.