Anti-Acetyl-p53 (Lys370) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013962

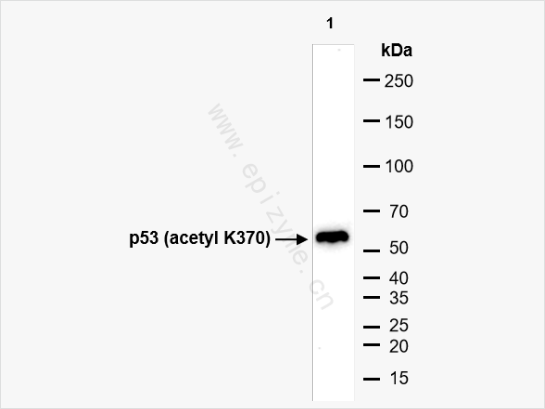
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	29J79R81
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human p53 (acetyl K370)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Acetyl-p53 (Lys370) Rabbit mAb [29J79R81] is for research use only and not for use in diagnostic or therapeutic procedures.

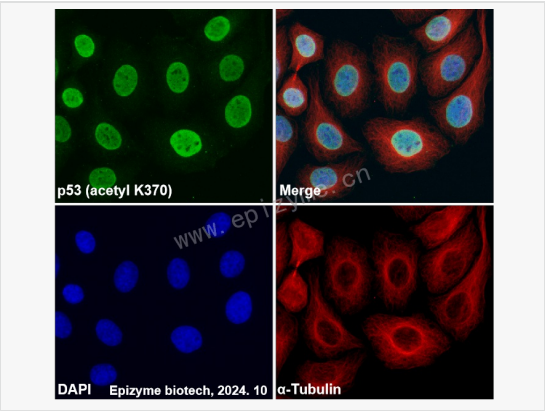
Protein Information

Synonyms	Antigen NY-CO-13, BCC7, Cellular tumor antigen p53, FLJ92943, LFS1, Mutant tumor protein 53, p53, p53 tumor suppressor, P53_HUMAN, Phosphoprotein p53, Tp53, Transformation related protein 53, TRP53, tumor antigen p55, Tumor protein 53, Tumor protein p53, Tumor suppressor p53.
Calculated MW	Calculated MW: 43 kDa; Observed MW: 53 kDa
Uniprot ID	P04637
Gene ID	7157
Background	Tumor protein p53, a nuclear protein, plays an essential role in the regulation of cell cycle, specifically in the transition from G0 to G1. It is found in very low levels in normal cells, however, in a variety of transformed cell lines, it is expressed in high amounts, and believed to contribute to transformation and malignancy.
Cellular Location	Cytoplasm; Cytoplasm. Nucleus. Nucleus > PML body. Endoplasmic reticulum. Interaction with BANP promotes nuclear localization. Recruited into PML bodies together with CHEK2; Nucleus. Cytoplasm. Localized in both nucleus and cytoplasm in most cells. In some cells, forms foci in the nucleus that are different from nucleoli; Nucleus. Cytoplasm. Localized in the nucleus in most cells but found in the cytoplasm in some cells; Nucleus. Cytoplasm. Localized mainly in the nucleus with minor staining in the cytoplasm; Nucleus. Cytoplasm. Predominantly nuclear but localizes to the cytoplasm when expressed with isoform 4 and Nucleus. Cytoplasm. Predominantly nuclear but translocates to the cytoplasm following cell stress.
Tissue Location	Ubiquitous. Isoforms are expressed in a wide range of normal tissues but in a tissue-dependent manner. Isoform 2 is expressed

Validation Images



Western Blot - Anti-Acetyl-p53 (Lys370) Rabbit mAb [29J79R81]
All lanes: R013962 at 1:1,000 dilution
Lane 1: Rat spleen whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 43 kDa
Observed band size: 53 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Acetyl-p53 (Lys370) Rabbit mAb [29J79R81]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R013962 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).