Anti-Phospho-p53 (Ser376) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013964

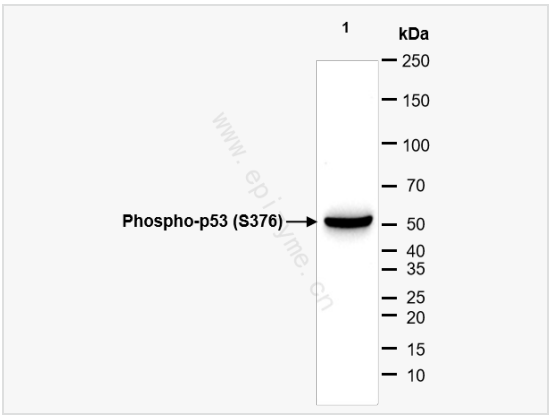
Product Information

Application	WB, ELISA
Reactivity	Mouse
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	32S31I40
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-p53 (S376)
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-Phospho-p53 (Ser376) Rabbit mAb [32S31I40] 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	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. p53 is a DNA-binding protein containing DNA-binding, oligomerization and transcription activation domains. It is postulated to bind as a tetramer to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor.
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.

Validation Images



Western Blot - Anti-Phospho-p53 (Ser376) Rabbit mAb [32S31I40]
All lanes: R013964 at 1:1,000 dilution
Lane 1: Mouse muscle 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).