ELK Biotechnology

p53 (phospho Ser9) rabbit pAb

Cat No.:ES1387

For research use only

Overview

Product Name	p53 (phospho Ser9) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human p53 around the phosphorylation site of Ser9. AA range:1-50
Specificity	Phospho-p53 (S9) Polyclonal Antibody detects endogenous levels of p53 protein only when phosphorylated at S9.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cellular tumor antigen p53
Gene Name	TP53
Cellular localization	Cytoplasm . Nucleus . Nucleus, PML body . Endoplasmic reticulum . Mitochondrion matrix . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Recruited into PML bodies together with CHEK2 (PubMed:12810724). Translocates to mitochondria upo
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	7157
Human Swiss-Prot Number	P04637
Alternative Names	TP53; P53; Cellular tumor antigen p53; Antigen

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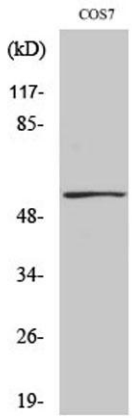
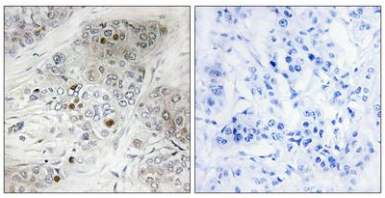
NY-CO-13; Phosphoprotein p53; Tumor suppressor p53

Background

tumor protein p53(TP53) Homo sapiens This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons (PMIDs: 12032546, 20937277). [provided by RefSeq, Feb 2013],



Western Blot analysis of various cells using Phospho-p53 (S9) Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using p53 (Phospho-Ser9) Antibody. The picture on the right is blocked with the phospho peptide.

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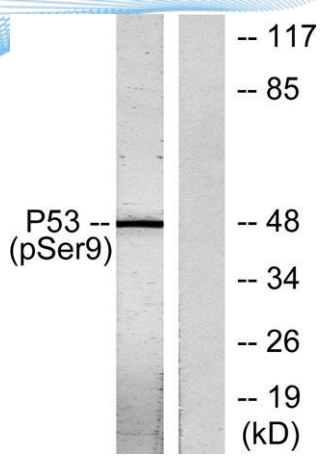

Western blot analysis of lysates from LOVO cells, using p53 (Phospho-Ser9) Antibody. The lane on the right is blocked with the phospho peptide.

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