p53(Ab-46) Antibody

Catalog No: #21090

Package Size: #21090-1 50ul  #21090-2 100ul  #21090-4 25ul

Description

**Product Name**: p53(Ab-46) Antibody  
**Host Species**: Rabbit  
**Clonality**: Polyclonal  
**Purification**: Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

**Applications**: WB  
**Species Reactivity**: Hu  
**Specificity**: The antibody detects endogenous level of total p53 protein.

**Immunogen Type**: Peptide-KLH  
**Immunogen Description**: Peptide sequence around aa. 44~48 (M-L-S-P-D) derived from Human p53.

**Target Name**: p53  
**Other Names**: Tumor suppressor p53; Phosphoprotein p53; Antigen NY-CO-13

**Accession No.**: Swiss-Prot: P04637  
**Concentration**: 1.0mg/ml

**Formulation**: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage**: Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

**Predicted MW**: 53kd  
**Western blotting**: 1:500~1:1000

Images

Western blot analysis of extracts from HT29 cells using p53(Ab-46) Antibody #21090.

Background

Acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type.
Involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. One of the activated genes is an inhibitor of cyclin-dependent kinases. Apoptosis induction seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. Implicated in Notch signaling cross-over.


Published Papers

Lei Zhang, Junshan Ruan, Linggeng Yan el at., Xanthatin Induces Cell Cycle Arrest at G2/M Checkpoint and Apoptosis via Disrupting NF-κB Pathway in A549 Non-Small-Cell Lung Cancer Cells., Molecules., 17:3736-3750(2012)
PMID:22450683

Note: This product is for in vitro research use only and is not intended for use in humans or animals.