

p53(Ab-46) Antibody

Catalog No: #21090



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

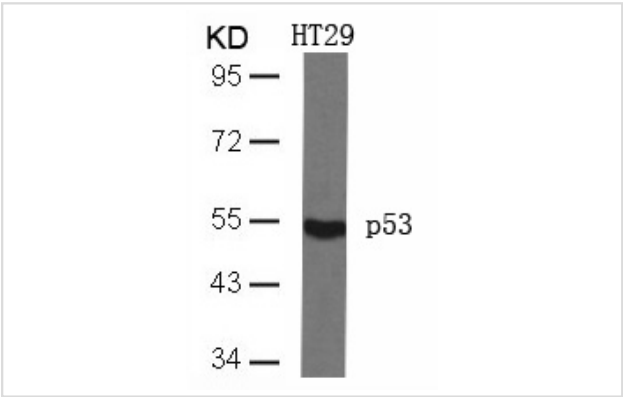
Overview

| | |
|--------------------|--|
| Product Name | p53(Ab-46) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Applications | WB |
| Species Reactivity | Hu |
| Immunogen Type | Peptide-KLH |
| Target Name | p53 |
| Alternative Names | Tumor suppressor p53; Phosphoprotein p53; Antigen NY-CO-13 |

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.

Descriptions

| | |
|---------------|---|
| Immunogen | Peptide sequence around aa. 44~48 (M-L-S-P-D) derived from Human p53. |
| Specificity | The antibody detects endogenous level of total p53 protein. |
| Purification | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| 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. |
| Accession NO. | Swiss-Prot: P04637NCBI Protein: NP_000537.3 |

Related Information

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.

Dhavan, R. and Tsai, L.H. (2001) Nat Rev Mol Cell Biol. 2: 749-759.

Patrick, G. N. et al. (1998) J Biol Chem. 273: 24057-24064.

Di Stefano V, et al. (2005) Oncogene. 24(35):5431-5442.

Mayo LD, et al.(2005) J Biol Chem. 280(28):25953-25959.

Wang L, et al. (2005) Oncogene. 24(18): 3020-3027.

Published Papers

Lei Zhang, Junshan Ruan, Linggeng Yan et al., Xanthatin Induces Cell Cycle Arrest at G2/M Checkpoint and Apoptosis via Disrupting NF- κ B 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.