Product Datasheet

p53(Ab-46) Antibody

Catalog No: #21090

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

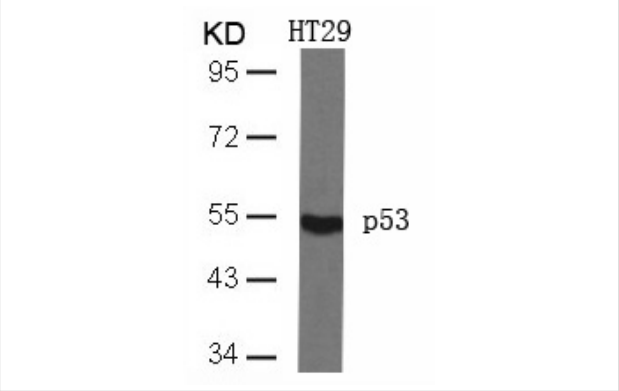
Product Name	p53(Ab-46) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	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: P04637NCBI Protein: NP_000537.3
Uniprot	P04637
GeneID	7157;
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.

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.

Note: This product is for in vitro research use only