

p73(Ab-99) Antibody

Catalog No: #21075

Package Size: #21075-1 50ul #21075-2 100ul

Orders: order@signalwayantibody.com

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Description

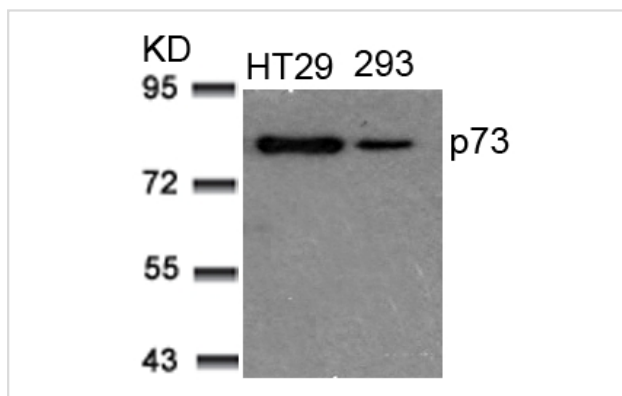
Product Name	p73(Ab-99) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total p73 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.97~101 (S-P-Y-A-Q) derived from Human P73.
Target Name	p73
Other Names	TP73; TRP73; p53-related protein; p73-alpha;
Accession No.	Swiss-Prot: O15350NCBI Protein: NP_001119712.1
Uniprot	O15350
GeneID	7161;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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: 80kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HT29 and 293 cells using p73(Ab-99) Antibody #21075.

Background

This gene encodes tumor protein p73, which is a member of the p53 family of transcription factors involved in cellular responses to stress and development. The family members include p53, p63, and p73 and have high sequence similarity to one another, which allows p63 and p73 to transactivate p53-responsive genes causing cell cycle arrest and apoptosis. The family members can interact with each other in many ways involving direct or indirect protein interactions, resulting in regulation of the same target gene promoters or regulation of each other's promoters. The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors. The p73 gene expresses at least 35 mRNA variants due to the use of alternate promoters, alternate translation initiation sites, and multiple splice variations. Theoretically this can account for 29 different p73 isoforms; however, the biological validity and the full-length nature of most variants have not been determined.

Yuan ZM, et al. (1999) *Nature*.399 (6738): 814-817.

Note: This product is for in vitro research use only