

p73 (Phospho-Tyr99) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43058

Format: 100ul at 1.0mg/ml in PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

BACKGROUND

Tumor protein p73 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.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of tyrosine 99 (S-P-Y(p)-A-Q) derived from human p73.

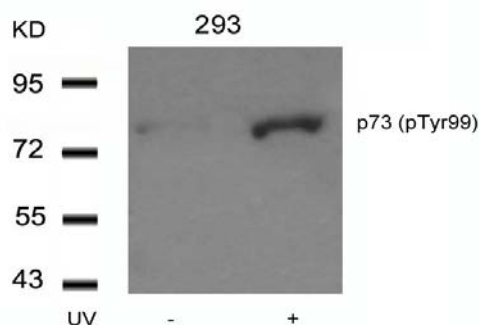
Host Species: Rabbit

Accession no.: O15350, NP_001119712.1

Specificity: This antibody detects endogenous human p73 only when phosphorylated at tyrosine 99.

APPLICATIONS

Immunoblotting: use at dilution of 1:500-1:1,000. A band of ~80kDa is detected.



Detection of p73 in extracts of 293 cells untreated or treated with UV.

These are recommended working dilutions. Enduser should determine optimal dilutions for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.