

## Anti-Phospho-p73 (Tyr99) Polyclonal Antibody

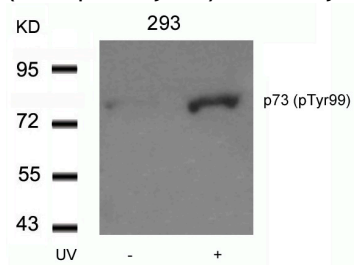
## Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

## Applications

## Verified Activity:

1. Western blot analysis of extracts from 293 cells untreated or treated with UV using p73 (Phospho-Tyr99) Antibody TMAC-03037.



Application: WB

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 99 (S-P-Y(p)-A-Q) derived from Human P73
Antigen Species:	human
Uniprot ID:	O15350
Synonyms:	p-p73 (Y99);p73 (p-Tyr99);p73 (p-Y99);p-p73 (Tyr99)

## Research 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.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481