

## Product datasheet for **AP23318PU-N**

### p73 (TP73) (alpha) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: At 1-2µg/ml with the appropriate system to detect P73ain cells and tissues. Immunohistochemistry on paraffin sections: At 1-2µg/ml to detect P73ain formalin fixed and paraffin embedded tissues.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A peptide mapping at the C-terminal end of human P73a
Specificity:	This antibody detects Tumor protein p73 (alpha) at C-term.
Formulation:	50% glycerol, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2ml of distilled water will yield a concentration of 500µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor protein p73
Database Link:	<a href="#">Entrez Gene 362675 Rat</a> <a href="#">Entrez Gene 7161 Human</a> <a href="#">O15350</a>
Background:	p73 is a substrate of the c-Abl kinase and that the ability of c-Abl to phosphorylate p73 is markedly increased by gamma-irradiation. Moreover, p73 was phosphorylated in vivo in response to ionizing radiation. p73, a member of the p53 family of tumour-suppressor proteins, can also induce apoptosis.p73 gene is mapped to chromosome 1p36. p73 is regulated by tyrosine kinase c-Abl in the apoptotic response to DNA damage.



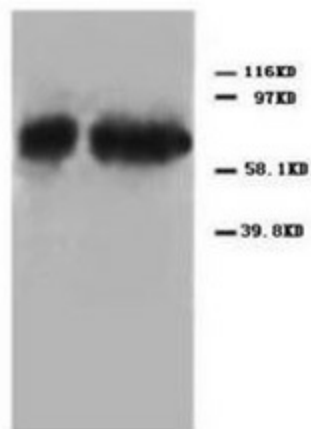
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**Synonyms:** OTTHUMP00000003479; OTTHUMP00000003480; P73

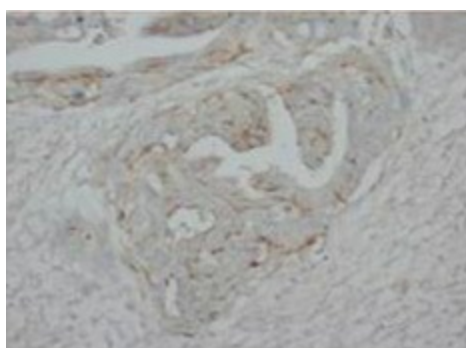
**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Neurotrophin signaling pathway, p53 signaling pathway

**Product images:**



Western blot analysis of HeLa cell lysis using P73alpha antibody



Immunohistochemical analysis of paraffin embedded Human intestine cancer sections using P73alpha antibody