

Product datasheet for **TA337074**

p73 (TP73) Mouse Monoclonal Antibody [Clone ID: 38C674.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	38C674.2
Applications:	ChIP, ICC/IF, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence: 1:20-1:1000, Immunohistochemistry-Frozen: 1:20-1:1000, Chromatin Immunoprecipitation (ChIP), Immunoprecipitation, Western Blot: 1-3 ug/ml, Immunohistochemistry-Paraffin: 5 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was developed against a peptide corresponding to a portion of amino acid residues 1-50 of human dNp73. Mouse and human sequences are more than 95 % identical at these amino acid residues. In mouse, alanine at position 8 is replaced by methio
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor protein p73
Database Link:	NP_001119712 Entrez Gene 362675 Rat Entrez Gene 7161 Human O15350
Synonyms:	P73
Note:	Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.

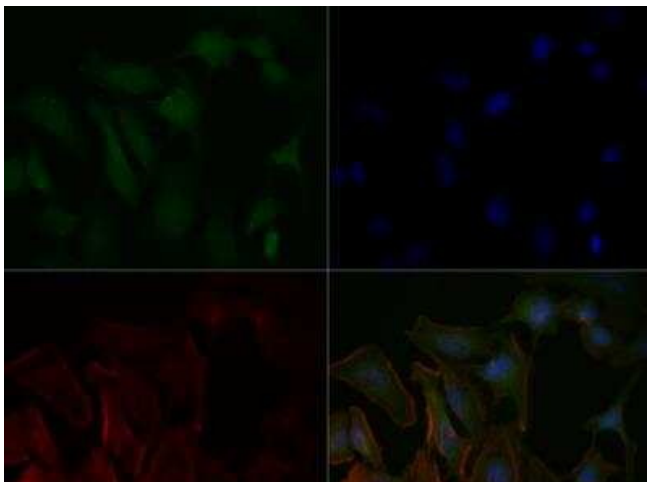


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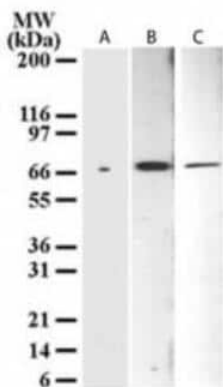
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Neurotrophin signaling pathway, p53 signaling pathway

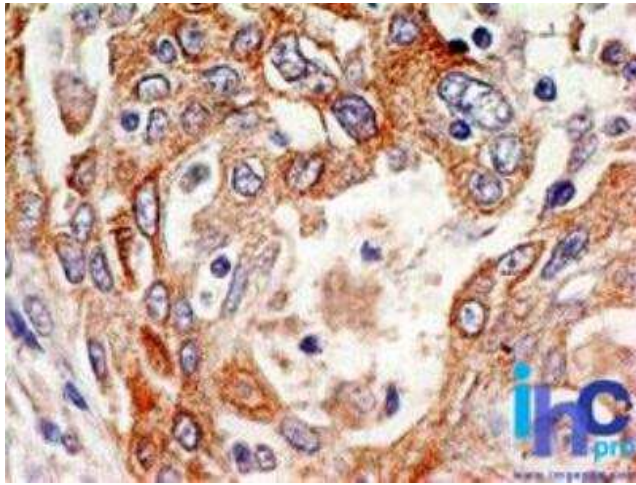
Product images:



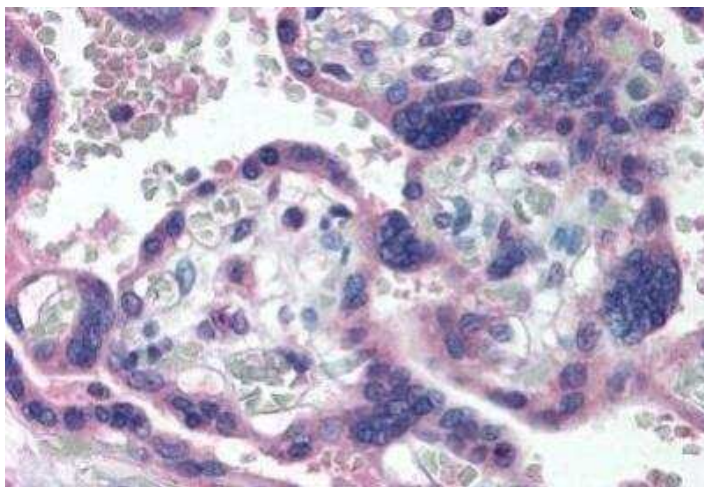
Immunocytochemistry/Immunofluorescence: Delta Np73 Antibody (38C674.2) TA337074 - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-Delta Np73 (38C674.2) TA337074 at a 1:50 dilution overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was counterstained with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



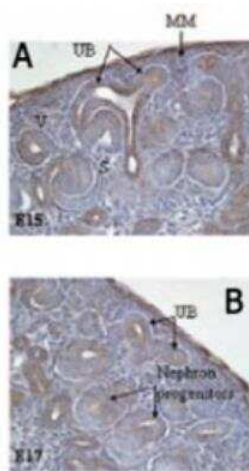
Western Blot: Delta Np73 Antibody (38C674.2) TA337074 - Delta Np73 Antibody (38C674.2) analysis for Np73 using TA337074 at 1 ug/ml in A) a cell line transfected with Np73 cDNA, B) HeLa, and C) NIH 3T3 cell lysate.



Immunohistochemistry-Paraffin: Delta Np73 Antibody (38C674.2) TA337074 - Delta Np73 Antibody (38C674.2) Formalin-fixed, paraffin-embedded lung squamous cell carcinoma probed with p73 antibody at 5 ug/ml.



Immunohistochemistry-Paraffin: Delta Np73 Antibody (38C674.2) TA337074 - Delta Np73 Antibody (38C674.2) Staining of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



Immunohistochemistry-Frozen: Delta Np73 Antibody (38C674.2) TA337074 - Delta Np73 Antibody (38C674.2) analysis of Delta Np73 in embryonic day 15 (A) and day 17 (B) E15 rat embryonic kidney at 1:2000. Delta Np73 is expressed in ureteric bud (UB) branches, and metanephrogenic mesenchyme (MM), as well as in cells invading the glomerular cleft. DeltaNp73 is expressed in the ureteric bud (UB) branches, metanephrogenic mesenchyme (MM), and nephron progenitors.