

Product Datasheet

Delta Np73 Antibody NBP2-24873SS

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-24873SS

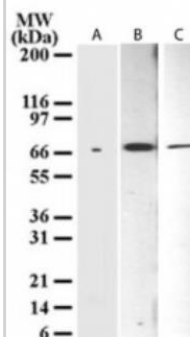
Delta Np73 Antibody (38C674.2)

Product Information	
Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	38C674.2
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	0.1 mg antibody in 0.2 ml PBS containing 0.05% BSA
Product Description	
Host	Mouse
Gene ID	7161
Gene Symbol	p73
Species	Human, Mouse, Rat
Species Reactivity	This antibody is reactive to Human, Mouse and Rat.
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 methionine.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Chromatin Immunoprecipitation 5ug, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Immunohistochemistry-Paraffin 5 ug/ml, Western Blot 1-3 ug/ml
Application Notes	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.

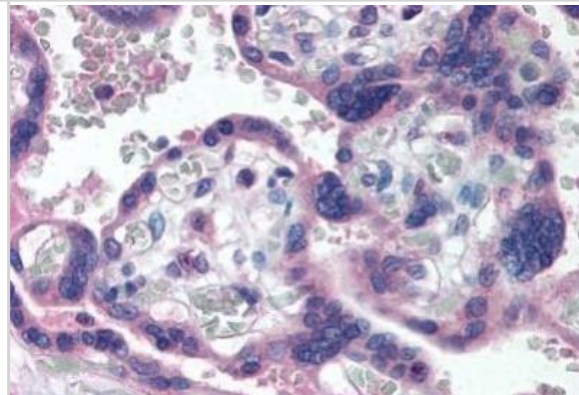


Images

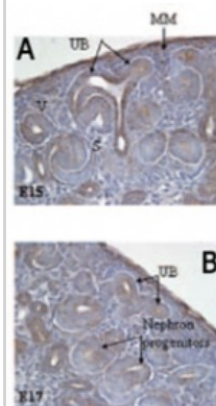
Western Blot: p73 Antibody (38C674.2) [NBP2-24873] - analysis for Np73 using NBP2-24873 at 1 ug/ml in A) a cell line transfected with Np73 cDNA, B) HeLa, and C) NIH 3T3 cell lysate.



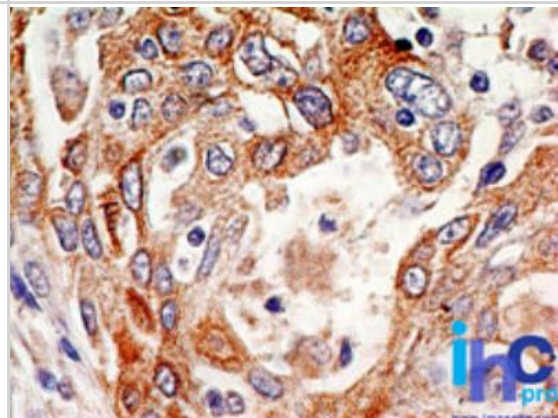
Immunohistochemistry-Paraffin: p73 Antibody (38C674.2) [NBP2-24873] - Staining of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



Immunohistochemistry-Frozen: p73 Antibody (38C674.2) [NBP2-24873] - 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. Delta Np73 is expressed in the ureteric bud (UB) branches, metanephrogenic mesenchyme (MM), and nephron progenitors.



Immunohistochemistry-Paraffin: p73 Antibody (38C674.2) [NBP2-24873] - Formalin-fixed, paraffin-embedded lung squamous cell carcinoma probed with p73 antibody at 5 ug/ml.



Publications

Hassan HM, Dave BJ, Singh RK et al. TP73, an under-appreciated player in non-Hodkin lymphoma pathogenesis and managment. *Curr. Mol. Med.* 2014 May 01 [PMID: 24730526] (IHC-P, Human)

Hassan HM, Varney ML, Jain S et al. Disruption of chromosomal locus 1p36 differentially modulates TAp73 and Delta Np73 expression in follicular lymphoma. *Leuk. Lymphoma* 2014 Mar 25 [PMID: 24660851] (IHC-P, Human)

Vossio S, Palescandolo E, Pediconi N et al. DN-p73 is activated after DNA damage in a p53-dependent manner to regulate p53-induced cell cycle arrest. *Oncogene.* 2002 May 23 [PMID: 12032848]

Saifudeen Z, Diavolitsis V, Stefkova J et al. Spatiotemporal switch from DeltaNp73 to TAp73 isoforms during nephrogenesis: impact on differentiation gene expression. *J Biol Chem.* 2005 Jun 17 [PMID: 15805112]

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Lunghi P, Giuliani N, Mazzera L et al. Targeting MEK/MAPK signal transduction module potentiates ATO-induced apoptosis in multiple myeloma cells through multiple signaling pathways. *Blood.* 2008 Sep 15 [PMID: 18583568]

Lunghi P, Costanzo A, Levrero M, Bonati A. Treatment with arsenic trioxide (ATO) and MEK1 inhibitor activates the p73-p53AIP1 apoptotic pathway in leukemia cells. *Blood.* 2004 Jul 15 [PMID: 15031205]

Tomasini R, Tsuchihara K, Wilhelm M et al. TAp73 knockout shows genomic instability with infertility and tumor suppressor functions. *Genes Dev.* 2008 Oct 1 [PMID: 18805989]

Cancino GI, Toledo EM, Leal NR et al. STI571 prevents apoptosis, tau phosphorylation and behavioural impairments induced by Alzheimer's beta-amyloid deposits. *Brain.* 2008 Sep [PMID: 18559370]

Marques-Garcia F, Ferrandiz N, Fernandez-Alonso R et al. p73 plays a role in erythroid differentiation through GATA1 induction. *J Biol Chem.* 2009 Aug 7 [PMID: 19509292]

Tomkova K, Belkhir A, El-Rifai W, Zaika AI. p73 isoforms can induce T-cell factor-dependent transcription in gastrointestinal cells. *Cancer Res.* 2004 Sep 15 [PMID: 15374945]

Zitterbart K, Zavrelava I, Kadlecova J et al. p73 expression in medulloblastoma: TAp73/DeltaNp73 transcript detection and possible association of p73alpha/DeltaNp73 immunoreactivity with survival. *Acta Neuropathol.* 2007 Dec [PMID: 17912537]

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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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