

For Research Use Only

# DeltaN p63 Recombinant monoclonal antibody

Catalog Number: 86154-11-RR



## Basic Information

<b>Catalog Number:</b> 86154-11-RR	<b>GenBank Accession Number:</b> NM_001114980	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8626	<b>CloneNo.:</b> 251209D11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H3D4-2	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000 IF/ICC: 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor protein p63	
	<b>Calculated MW:</b> 66 kDa	
	<b>Observed MW:</b> 68-75 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, A431 cells, HaCaT cells, U-937 cells, PC-12 cells, mouse skin tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> A431 cells,

## Background Information

DeltaN p63 ( $\Delta Np63$ ) is a major protein isoform encoded by the TP63 gene. The TP63 gene is a member of the p53 gene family, which also includes p53 and p73. The key defining feature of DeltaN p63 ( $\Delta Np63$ ) is the absence of the full N-terminal transactivation domain. However, it retains the central DNA-binding domain (DBD) and the C-terminal oligomerization domain (OD). The  $\alpha$ -isoform also has a sterile alpha motif (SAM) domain and a transcriptional inhibitory domain (TID). DeltaN p63 isoforms can act as dominant-negative inhibitors of p53 and TAp63 by competing for DNA binding sites or forming non-functional dimers. DeltaN p63 is highly expressed in basal layers of epithelial tissues and is essential for the maintenance and proliferation of epithelial stem cells. It plays a pivotal role in epidermal development, stratification, and regeneration.

## Storage

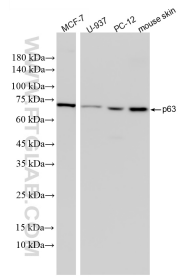
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

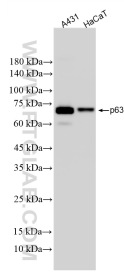
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

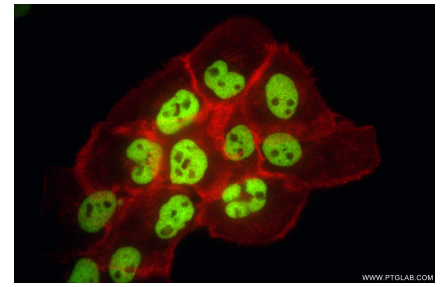
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86154-11-RR (TP63 DeltaN(P40) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 86154-11-RR (TP63 DeltaN(P40) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using TP63 DeltaN(P40) antibody (86154-11-RR, Clone: 251209D11) at dilution of 1:2000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).