

For Research Use Only

# DeltaN p63 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86154-11-PBS



## Basic Information

**Catalog Number:**

86154-11-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001114980

**GeneID (NCBI):**

8626

**UNIPROT ID:**

Q9H3D4-2

**Full Name:**

tumor protein p63

**Calculated MW:**

66 kDa

**Observed MW:**

68-75 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

251209D11

## Applications

**Tested Applications:**

WB, IF/ICC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

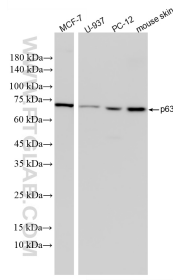
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

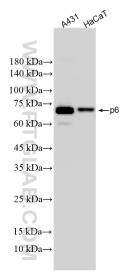
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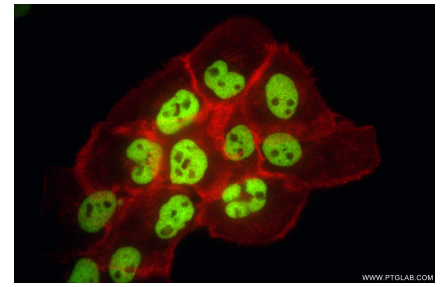
## Selected Validation Data



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. This data was developed using the same antibody clone with 86154-11-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 86154-11-PBS in a different storage buffer formulation.