

For Research Use Only

p63 Polyclonal antibody

Catalog Number: 12143-1-AP **9 Publications**



Basic Information

Catalog Number:

12143-1-AP

Size:

150UL, Concentration: 240 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2791

GenBank Accession Number:

BC039815

GeneID (NCBI):

8626

Full Name:

tumor protein p63

Calculated MW:

680 aa, 77 kDa

Observed MW:

63-68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A431 cells, Apoptosised HeLa cells, human heart tissue, mouse heart tissue, U-937 cells

IP: A431 cells,

IHC: human tonsillitis tissue, human skin cancer tissue, human breast hyperplasia tissue, human lung cancer tissue

IF: A431 cells,

Background Information

TP63, also named KET, P63, P73H, P73L and TP73L, belongs to the p53 family. It is a homologue of the tumor suppressor p53 and p73 genes. It is involved in malignancy acquisition and maintenance of cells. Unlike p53, the p63 gene encodes multiple isoforms with remarkably divergent abilities to transactivate p53 reporter genes and induce apoptosis. TP63 acts as a sequence specific DNA binding transcriptional activator or repressor. TP63 has 12 isoforms with MW 40kd(P40), 50kd(P60), 63kd(P63) and 73kd(P73L). It is Nuclear stain.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiafang Wu	29081891	Oxid Med Cell Longev	WB
Lihua Hu	30914160	Exp Eye Res	IF
Ernesto Diaz-Flores	30862722	Cancer Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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)

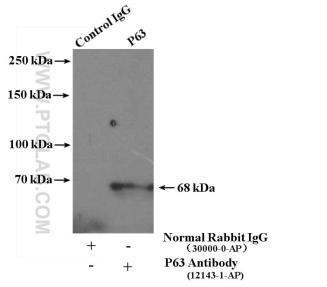
E: proteintech@ptglab.com
W: ptglab.com

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

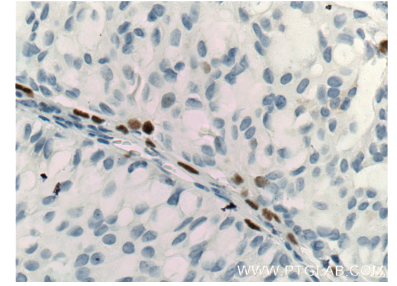
Selected Validation Data



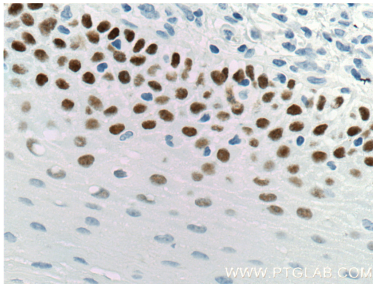
A431 cells were subjected to SDS PAGE followed by western blot with 12143-1-AP (p63 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



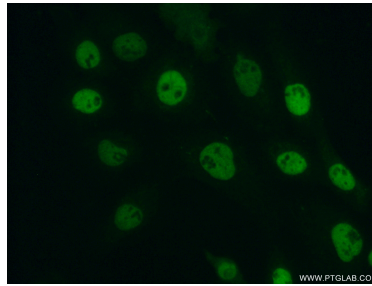
IP Result of anti-p63 (IP:12143-1-AP, 4ug; Detection:12143-1-AP 1:300) with A431 cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 12143-1-AP (TP63 Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12143-1-AP (TP63 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed A431 cells using 12143-1-AP (p63 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).