

p63 Polyclonal Antibody

Catalog number: 12143-1-AP

Size: 36 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

TP63; AIS, B(p51A), B(p51B),

CUSP, EEC3, KET, LMS, NBP,

OFC8, p40, p51, p53CP, p63,

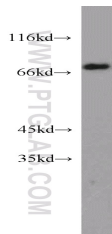
p73H, p73L, RHS, SHFM4,

TP53CP, TP53L, TP63, TP73L,

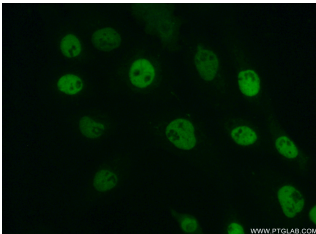
Tumor protein 63, tumor

protein p63, Tumor protein p73

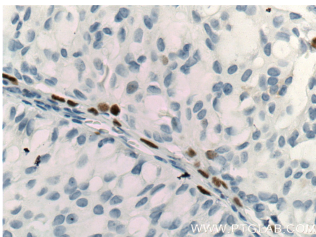
like



A431 cells were subjected to SDS PAGE followed by western blot with 12143-1-AP (TP63 antibody) at dilution of 1:1000



Immunofluorescent analysis of (10% Formaldehyde) fixed A431 cells using 12143-1-AP (TP63 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



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

Background

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 isotypes 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.

Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Rat
Calculated p63 MW:	680aa, 77 kDa
Observed p63 MW:	63-68 kDa
Positive WB detected in	A431 cells, Apoptosised HeLa cells, human heart tissue, mouse heart tissue, U-937 cells
Positive IP detected in	A431 cells
Positive IHC detected in	Human tonsillitis tissue, human breast hyperplasia tissue, human lung cancer tissue
Positive IF detected in	A431 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:1000 IHC: 1:20-1:200 IF: 1:50-1:500

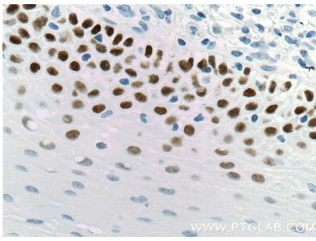
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

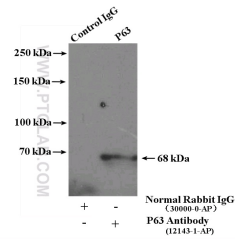
Immunogen:	Ag2791
GenBank accession number:	BC039815
Gene ID (NCBI):	8626
Full name:	Tumor protein p63

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



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



IP Result of anti-TP63 (IP:12143-1-AP, 4ug; Detection:12143-1-AP 1:300) with A431 cells lysate 1200ug.