

## p53 DINP1 Rabbit mAb

Catalog No: #49906

Package Size: #49906-1 50ul #49906-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

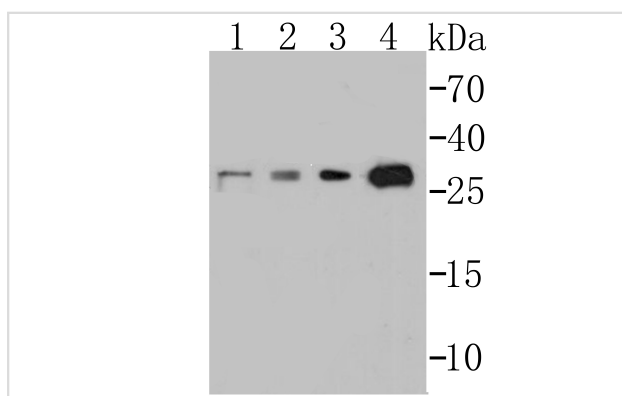
## Description

Product Name	p53 DINP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG37-64
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Full length recombinant protein of human p53DINP1.
Other Names	DKFZp434M1317 antibody FLJ22139 antibody p53 damage inducible nuclear protein 1 antibody p53 dependent damage inducible nuclear protein 1 antibody p53 inducible nuclear protein 1 antibody p53 inducible p53DINP1 antibody p53-dependent damage-inducible nuclear protein 1 antibody p53DINP1 antibody SIP antibody Stress induced protein antibody Stress-induced protein antibody T53I1_HUMAN antibody Teap antibody TP53 DINP1 antibody TP53 INP1 antibody TP53DINP1 antibody TP53INP1 antibody TP53INP1A antibody TP53INP1B antibody Tumor protein p53 inducible nuclear protein 1 antibody Tumor protein p53-inducible nuclear protein 1 antibody
Accession No.	Swiss-Prot#:Q96A56
Uniprot	Q96A56
GeneID	94241;
Calculated MW	27 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

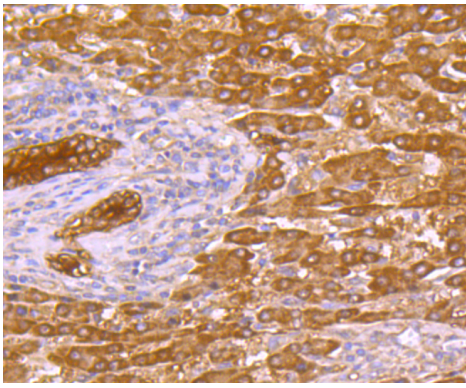
## Application Details

WB: 1:500-1:1,000IHC: 1:50-1:200ICC: 1:50-1:200

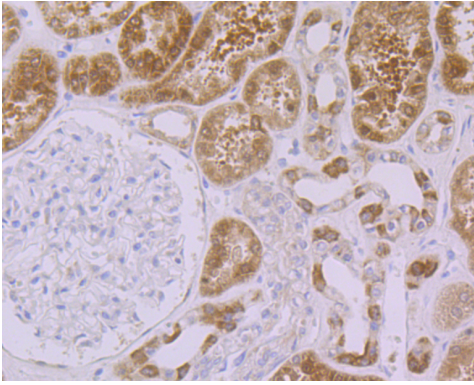
## Images



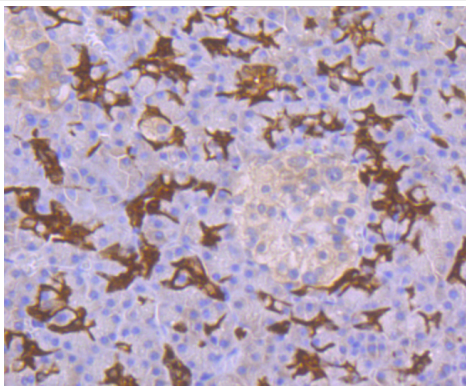
Western blot analysis of p53DINP1 on different cell lysates using anti-p53DINP1 at 1/500 dilution. Positive controls: 1/2 1/2 Line 1: SH-SY-5Y Line 2: HepG2 Line 3: Mouse stomach Line 3: Human stomach



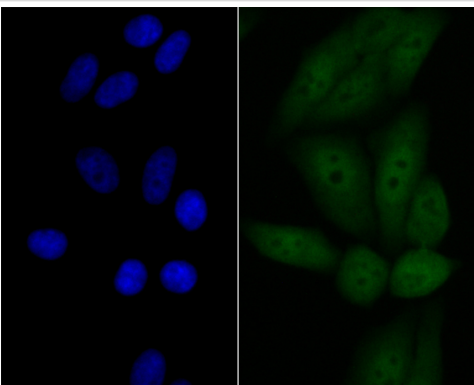
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-p53DINP1 antibody. Counter stained with hematoxylin.



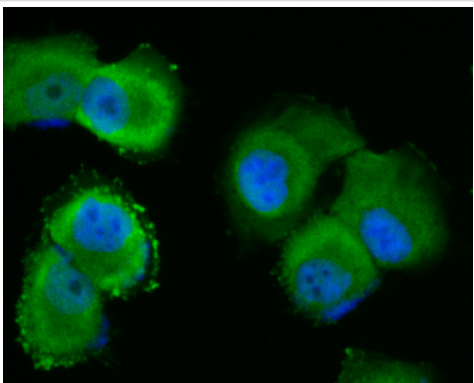
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-p53DINP1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-p53DINP1 antibody. Counter stained with hematoxylin.



ICC staining p53DINP1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining p53DINP1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

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Antiproliferative and proapoptotic protein involved in cell stress response which acts as a dual regulator of transcription and autophagy. Acts as a positive regulator of autophagy. In response to cellular stress or activation of autophagy, relocates to autophagosomes where it interacts with autophagosome-associated proteins GABARAP, GABARAPL1/L2, MAP1LC3A/B/C and regulates autophagy. Acts as an antioxidant and plays a major role in p53/TP53-driven oxidative stress response. Possesses both a p53/TP53-independent intracellular reactive oxygen species (ROS) regulatory function and a p53/TP53-dependent transcription regulatory function. Positively regulates p53/TP53 and p73/TP73 and stimulates their capacity to induce apoptosis and regulate cell cycle. In response to double-strand DNA breaks, promotes p53/TP53 phosphorylation on 'Ser-46' and subsequent apoptosis. Acts as a tumor suppressor by inducing cell death by an autophagy and caspase-dependent mechanism. Can reduce cell migration by regulating the expression of SPARC.

## References

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Note: This product is for in vitro research use only