

Anti-p53 DINP1 Antibody (7A906)

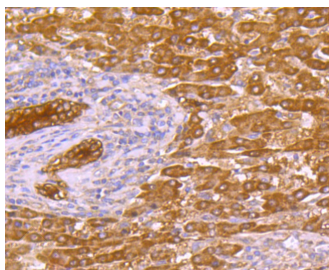
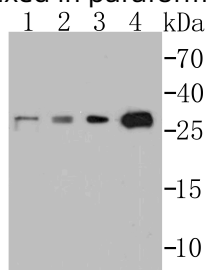
Product Details

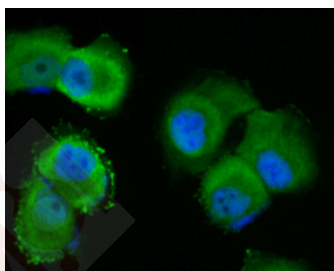
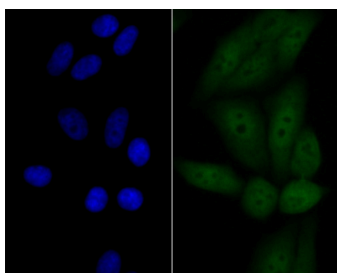
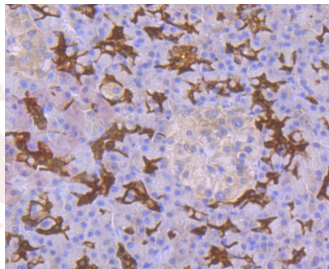
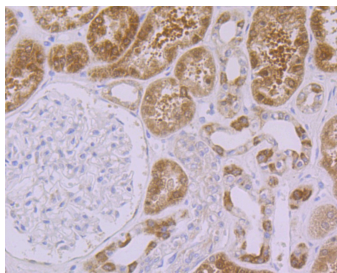
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 27 kDa.
Clone:	7A906
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of p53DINP1 on different cell lysates using anti-p53DINP1 at 1/500 dilution. Positive control: Line 1: SH-SY-5Y, Line 2: HepG2, Line 3: Mouse stomach, Line 3: Human stomach.
2. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-p53DINP1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-p53DINP1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-p53DINP1 antibody. Counter stained with hematoxylin.
5. 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.
6. 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.





Application: ICC,IF,IHC,WB
Recommended WB: 1:500-1000; IHC: 1:50-200; ICC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Full length of human p53DINP1
Antigen Species: human
Uniprot ID: Q96A56
Synonyms: P53;Cellular tumor antigen p53;Tumor suppressor p53;Tp53

Research Background

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,

A DRUG SCREENING EXPERT

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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