

**Datasheet for 600-401-H09****p53DINP1 Antibody****Overview**

<b>Description:</b>	Anti-p53DINP1 (RABBIT) Antibody - 600-401-H09
<b>Item No.:</b>	600-401-H09
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, IF, IHC, WB
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host Species:</b>	Rabbit

**Product Details**

**Background:** p53DINP1 antibody detects human p53DINP1. Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible gene was identified recently and designated p53DINP1 (for p53-dependent damage-inducible nuclear protein 1) and SIP (for stress induced protein) in human and mouse. A p53DINP1 antisense oligonucleotide inhibits and overexpression of p53DINP1 enhances Ser46 phosphorylation of p53, induction of p53AIP1, and cell death induced by DNA double-strand breaks. p53DINP1 may regulate p53-dependent apoptosis through phosphorylation at Ser46 and induction of p53AIP1. The p53DINP1/SIP gene encodes two proteins of 27 and 18 kDa in human and mouse termed p53DINP1-alpha and p53DINP1-beta or SIP27 and SIP18. p53DINP1/SIP is expressed in many tissues and induced by a variety of stress agents including UV stress, mutagenic stress, heat shock, and oxidative stress. Anti-p53DINP1 antibodies are ideal for investigators involved in Apoptosis and Cancer research.

<b>Synonyms:</b>	P53DINP1, SIP
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Gene Name:</b>	TP53INP1
<b>Reactivity:</b>	Human, Mouse, Rat

<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	p53DINP1 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to amino acids near the n-terminus of human p53DINP1.
<b>Purity/Specificity:</b>	Anti-p53DINP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with p53DINP1 with Human, Mouse and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with PUMA from other sources has not been determined.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q96A56</a></li><li>• <a href="#">GenelD - 94241</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA, IF, IHC, WB
<b>Application Note:</b>	Anti-P53dinp1 Antibody is tested for use in E, WB, IF, and IHC. Expect a band approximately ~27.3 kDa on specific lysates. A lower band at 18 kDa was detected in human spleen, and mouse liver and kidney tissue lysate, which may represent the p53DINP1-b form. Western Blot tested in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in human samples. Specific conditions for reactivity should be optimized by the end user.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>IF:</b>	20µg/mL
<b>IHC:</b>	2µg/mL
<b>WB:</b>	0.5-1µg/mL

## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	1 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.02% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

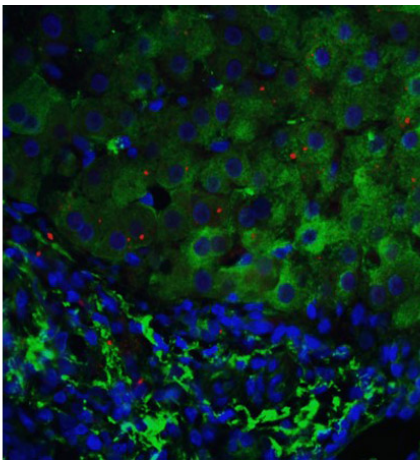
<b>Shipping Condition:</b>	Dry Ice
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<b>Storage Condition:</b>	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

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## Images



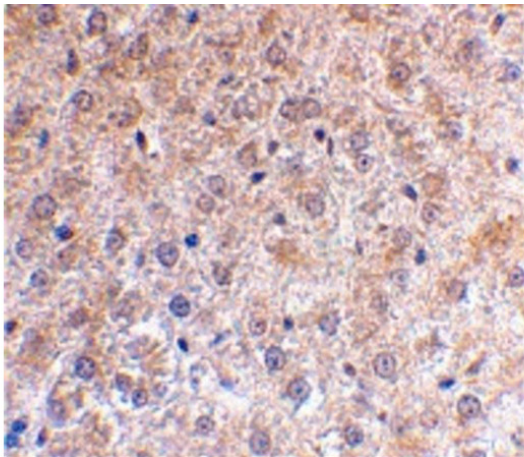
### Immunofluorescence Microscopy

Immunofluorescence of p53DINP1.

Tissue: human liver tissue.

Primary Antibody: Anti-p53DINP1 antibody at 5 µg/ml.

Staining: p53DINP1 antibody (green), Phalloidin (red), DAPI (blue).

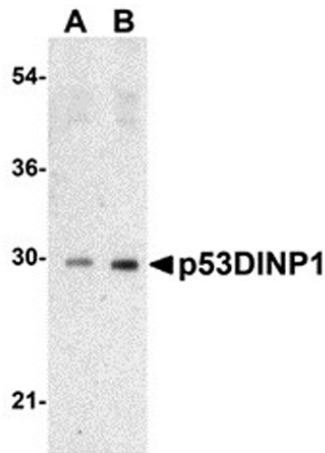


### Immunohistochemistry

Immunohistochemistry of p53DINP1.

Tissue: mouse liver.

Primary Antibody: Anti-p53DINP1 antibody at 2 µg/mL.

**Western Blot**

Western blot analysis of p53DINP1.

Load: human lung tissue lysate.

Primary Antibody: Anti-p53DINP1 antibody at (A) 0.5µg/mL and (B) 1µg/mL.

**Disclaimer**

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