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Datasheet for 600-401-H09

p53DINP1 Antibody

Overview

Description:	Anti-p53DINP1 (RABBIT) Antibody - 600-401-H09
Item No.:	600-401-H09
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	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.
Synonyms:	P53DINP1, SIP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TP53INP1
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	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.
Purity/Specificity:	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.
Relevant Links:	• UniProtKB - Q96A56 • GeneID - 94241

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	20µg/mL
IHC:	2µg/mL
WB:	0.5-1µg/mL

Formulation

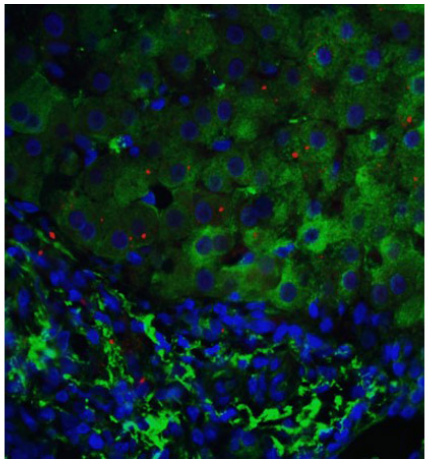
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

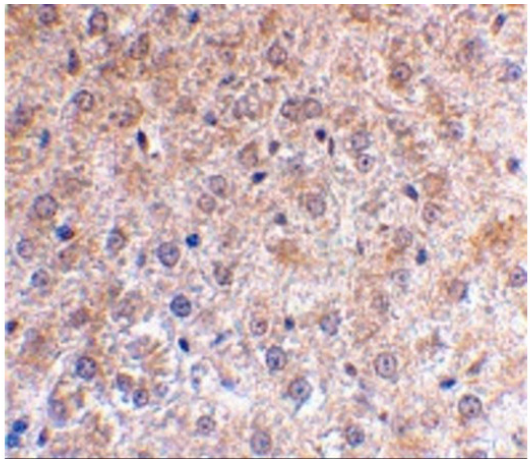
Shipping Condition:	Dry Ice

Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

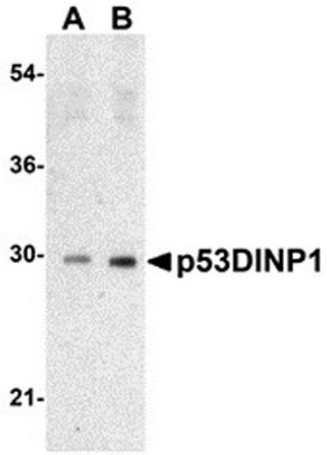
Images



Immunofluorescence Microscopy
Immunofluorescence of p53DINP1.
Tissue: human liver tissue.
Primary Antibody: Anti-p53DINP1 antibody at 5 µg/ml.
Staining: p53DINP1 antibody (green), Phylloidin (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.

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