

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 • GenelD - 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

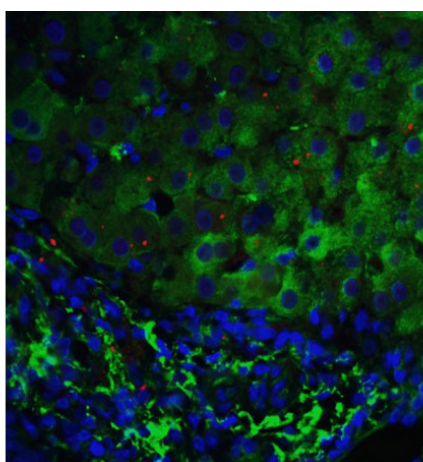
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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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



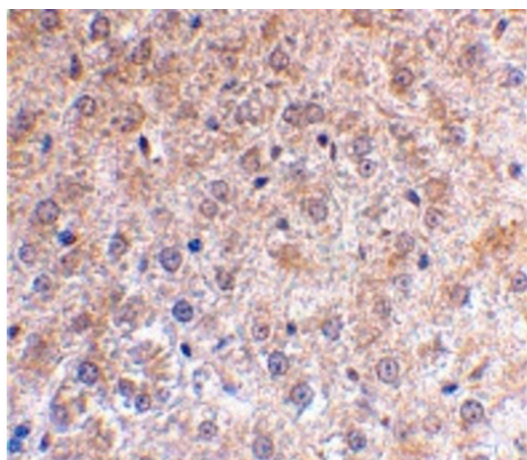
Immunofluorescence Microscopy

Immunofluorescence of p53DINP1.

Tissue: human liver tissue.

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

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

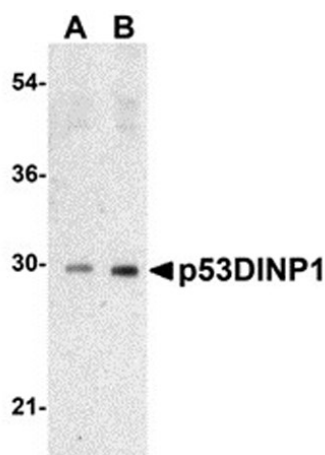


Immunohistochemistry

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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.