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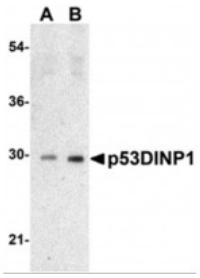
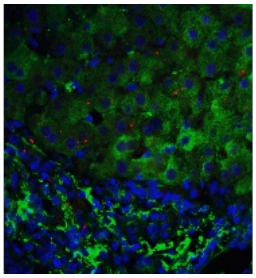
p53DINP1 Antibody

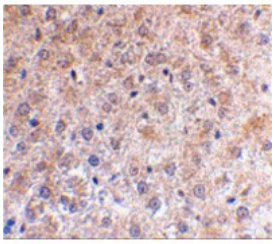
CATALOG NUMBER: 3045



Western blot analysis of p53DINP1 expression in human lung tissue lysate with p53DINP1 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunofluorescence of p53DINP1 in human liver tissue with p53DINP1 antibody at 5 ug/ml.



Immunohistochemical staining of mouse liver using p53DINP1 antibody at 2 ug/mL.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, IF, IHC-P, WB
APPLICATIONS:	p53DINP1 antibody can be used for detection of p53DINP1 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1302 - Human Lung Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	Predicted: 18, 27 kDa Observed: 30 kDa
SPECIFICITY:	At least two isoforms of p53DINP1 are known to exist; this antibody will detect both isoforms.
IMMUNOGEN:	p53DINP1 antibody was raised with a synthetic peptide corresponding to 14 amino acids near the amino terminus of human p53DINP1. The immunogen is located within the first 50 amino acids of p53DINP1.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	p53DINP1 Antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE:	Liquid
BUFFER:	p53DINP1 Antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	p53DINP1 antibody can be stored at 4˚C for three months and -20˚C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
CLONALITY:	Polyclonal
ISOTYPE:	IgG

CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	p53DINP1 Antibody: SIP, Teap, p53DINP1, TP53DINP1, TP53INP1A, TP53INP1B, P53DINP1, SIP, Tumor protein p53-inducible nuclear protein 1, Stress-induced protein
ACCESSION NO.:	Q96A56
PROTEIN GI NO.:	61216823
OFFICIAL SYMBOL:	TP53INP1
GENE ID:	94241

Background

BACKGROUND:	p53DINP1 Antibody: 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.
REFERENCES:	1) Okamura S, Arakawa H, Tanaka T, et al. p53DINP1, a p53-inducible gene, regulates p53-dependent apoptosis. Mol. Cell. 2001; 8:85-94.
	2) Tomasini R, Samir AA, Vaccaro MI, et al. Molecular and functional characterization of the stress-induced protein (SIP) gene and its two transcripts generated by alternative splicing. SIP induced by stress and promotes cell death. J. Biol. Chem. 2001; 276:44185-92.

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December 12, 2016