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Datasheet for ABIN500435

anti-TP53INP1 antibody (N-Term)

2 Images

1 Publication

Overview

Quantity:	0.1 mg
Target:	TP53INP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TP53INP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	A synthetic peptide corresponding to 14 amino acids near the amino terminus of Human p53DINP1. .Remarks: This sequence is identical between alpha and beta forms of the p53DINP1 proteins, and differs by one amino acid from those of Mouse.
Isotype:	IgG
Specificity:	This antibody detects TP53INP1.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Peptide Affinity Chromatography

Target Details

Target:	TP53INP1
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Target Details

Alternative Name: TP53INP1 ([TP53INP1 Products](#))

Background: 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 (1,2).?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 (1). 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-a and p53DINP1-b or SIP27 and SIP18 (1,2). 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 (2).Synonyms: P53DINP1, SIP, Stress-induced protein, Tumor protein p53-inducible nuclear protein 1, p53-dependent damage-inducible nuclear protein 1, p53-inducible nuclear protein 1

Gene ID: 94241

UniProt: [Q96A56](#)

Application Details

Application Notes: ELISA. Western blot (1-2 µg/mL). Human lung tissue lysate can be used as a Positive Control and a band at 27 kDa can be detected. A lower band at 18 kDa was detected in Human spleen, and Mouse liver and kidney tissue lysates, which may represent the p53DINP1-beta form. Immunohistochemistry on Paraffin Sections (2 µg/mL). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % Sodium Azide as preservative.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

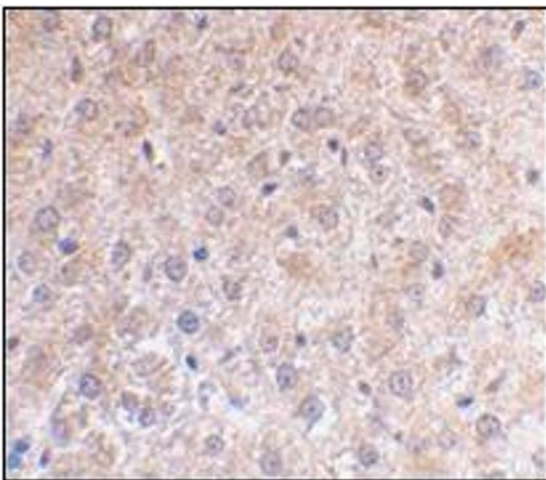
Handling

Storage Comment: Store the antibody undiluted at 2-8 °C.

Publications

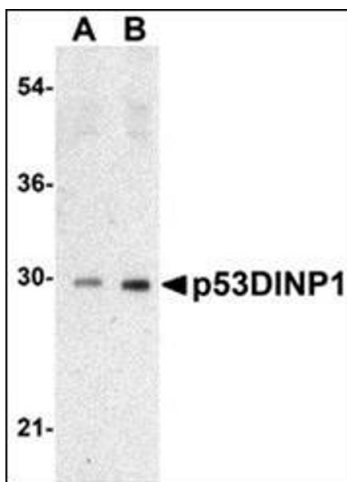
Product cited in: Gong, Tsai, Yan, Rubin: "Cooperation between MEF2 and PPARgamma in human intestinal beta,beta-carotene 15,15'-monooxygenase gene expression." in: **BMC molecular biology**, Vol. 7, pp. 7, (2006) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. AP30639PU-N TP53INP1 antibody
Immunohistochemical staining of Paraffin-Embedded
Mouse Liver Sections at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of TP53INP1 expression in
Human lung tissue lysate with AP30639PU-N TP53INP1
antibody at 0.5 µg/ml (A) and 1 µg/ml (B).