

p53DINP1 Antibody

Catalog No: #24177

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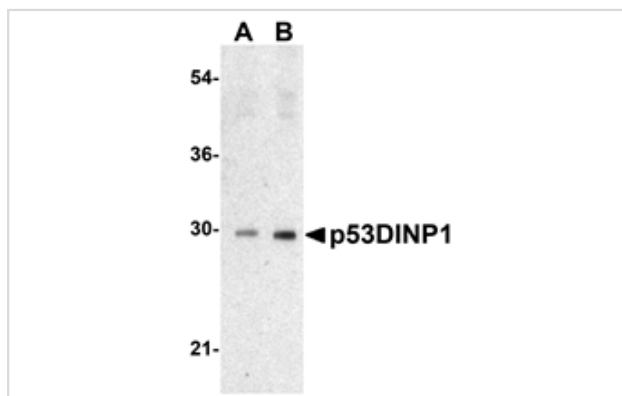
Description

Product Name	p53DINP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	A lower band at 18 kDa was detected in human spleen, and mouse liver and kidney tissue lysates, which may represent the p53DINP1-b form.
Immunogen Type	Peptide
Immunogen Description	p53DINP1 antibody was raised with a synthetic peptide corresponding to 14 amino acids near the amino terminus of human p53DINP1.
Target Name	p53DINP1
Other Names	p53DINP1, SIP
Accession No.	Q96A56
Uniprot	Q96A56
GeneID	94241;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

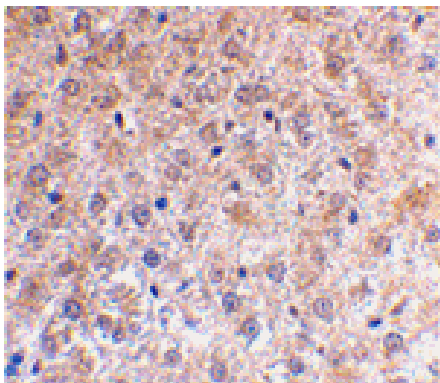
Application Details

Predicted MW: 27 kd

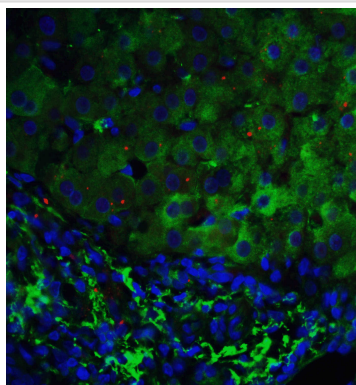
Images



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



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



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

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. 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.

Note: This product is for in vitro research use only