ARG54654
anti-p53DINP1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes p53DINP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, IHC-P, WB
Specificity	At least two isoforms of p53DINP1 are known to exist; this antibody will detect both isoforms.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	p53DINP1
Immunogen	Synthetic peptide (14 aa) within the first 50 aa of Human p53DINP1.
Conjugation	Un-conjugated
Alternate Names	TP53DINP1; SIP; p53DINP1; Teap; Stress-induced protein; Tumor protein p53-inducible nuclear protein 1; p53-dependent damage-inducible nuclear protein 1; TP53INP1A; TP53INP1B

Application Instructions

Application table

Application	Dilution
ELISA	Assay-Dependent
IHC-P	Assay-Dependent
WB	0.5 - 1 µg/mL

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human Lung Tissue Lysate
Observed Size	30 kDa

Properties

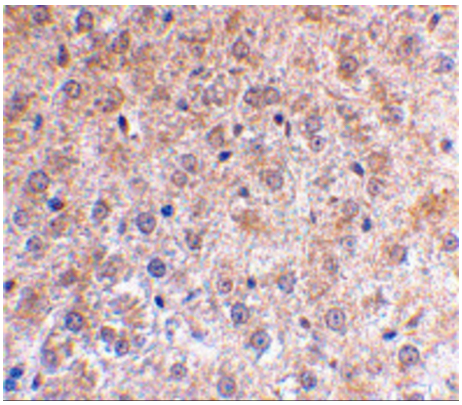
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

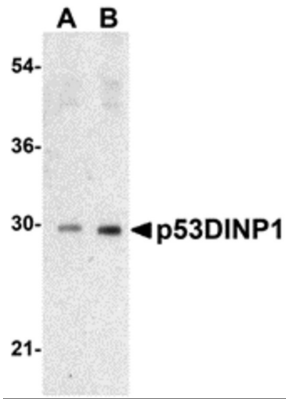
Database links	GeneID: 297822 Rat GeneID: 94241 Human Swiss-port # Q80YE2 Rat Swiss-port # Q96A56 Human
Gene Symbol	TP53INP1
Gene Full Name	tumor protein p53 inducible nuclear protein 1
Background	p53DINP1 Antibody: Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein 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. |
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody
Calculated Mw	18, 27 kDa

Images



ARG54654 anti-p53DINP1 antibody IHC image

Immunohistochemistry: mouse liver stained with ARG54654 anti-p53DINP1 antibody at 2 µg/ml.



ARG54654 anti-p53DINP1 antibody WB image

Western blot: human lung tissue lysate stained with ARG54654 anti-p53DINP1 antibody at (A) 0.5 and (B) 1 µg/ml.