



Rabbit Anti-p53 DINP1 antibody

SL6146R

Product Name:	p53 DINP1
Chinese Name:	p53诱导核蛋白1抗体
Alias:	DKFZp434M1317 antibody FLJ22139 antibody p53 damage inducible nuclear protein 1 antibody p53 dependent damage inducible nuclear protein 1 antibody p53 inducible nuclear protein 1 antibody p53 inducible p53DINP1 antibody p53-dependent damage-inducible nuclear protein 1; p53DINP1; SIP; Stress induced protein; Stress-induced protein; T53I1_HUMAN; Teap; TP53 DINP1; TP53 INP1; TP53DINP1; TP53INP1; TP53INP1A; TP53INP1B; Tumor protein p53 inducible nuclear protein 1; Tumor protein p53-inducible nuclear protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human p53 DINP1:81-180/240
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	In response to double-strand DNA breaks, promotes p53/TP53 phosphorylation on 'Ser-

46' and subsequent apoptosis.

Function:

Antiproliferative and proapoptotic protein involved in cell stress response which acts as a dual regulator of transcription and autophagy. Acts as a positive regulator of autophagy. In response to cellular stress or activation of autophagy, relocates to autophagosomes where it interacts with autophagosome-associated proteins GABARAP, GABARAPL1/L2, MAP1LC3A/B/C and regulates autophagy. Acts as an antioxidant and plays a major role in p53/TP53-driven oxidative stress response. Possesses both a p53/TP53-independent intracellular reactive oxygen species (ROS) regulatory function and a p53/TP53-dependent transcription regulatory function. Positively regulates p53/TP53 and p73/TP73 and stimulates their capacity to induce apoptosis and regulate cell cycle. In response to double-strand DNA breaks, promotes p53/TP53 phosphorylation on 'Ser-46' and subsequent apoptosis. Acts as a tumor suppressor by inducing cell death by an autophagy and caspase-dependent mechanism. Can reduce cell migration by regulating the expression of SPARC.

Subunit:

Interacts with p53/TP53 and HIPK2. Interacts with PRKCG, GABARAP, GABARAPL1, GABARAPL2, MAP1LC3A, MAP1LC3B AND MAP1LC3C.

Subcellular Location:

Cytoplasm, cytosol. Nucleus. Nucleus, PML body. Cytoplasmic vesicle, autophagosome. Note=Shuttles between the nucleus and the cytoplasm, depending on cellular stress conditions, and re-localizes to autophagosomes on autophagy activation.

Tissue Specificity:

Ubiquitously expressed.

SWISS:

Q96A56

Gene ID:

94241

Database links:

[Entrez Gene: 94241](#)Human

[Entrez Gene: 60599](#)Mouse

[Entrez Gene: 297822](#)Rat

[Omim: 606185](#)Human

[SwissProt: Q96A56](#)Human

[SwissProt: Q9QXE4](#)Mouse

[SwissProt: Q80YE2](#)Rat

[Unigene: 492261](#)Human

[Unigene: 393018](#)Mouse

[Unigene: 48267](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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