

Rabbit anti-Human TP53INP1 Polyclonal Antibody | anti-TP53INP1 antibody

TP53INP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327647	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

TP53INP1; Polyclonal Antibody; TP53INP1 Antibody; DKFZp434M1317; FLJ22139; p53 damage inducible nuclear protein 1; p53 dependent damage inducible nuclear protein 1; p53 inducible nuclear protein 1; p53 inducible p53DINP1; p53-dependent damage-inducible nuclear protein 1; p53DINP1; SIP; Stress induced protein; Stress-induced protein; T53I1_HUMAN; Teap; TP53 DINP1; TP53 INP1; TP53DINP1; TP53INP1A; TP53INP1B; Tumor protein p53 inducible nuclear protein 1; Tumor protein p53-inducible nuclear protein 1; anti-TP53INP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	TP53INP1 antibody detects endogenous levels of total TP53INP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	164
Applicable Applications for anti-TP53INP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TP53INP1
Subcellular Location	Nucleus > PML Body.
Tissue Specificity	Ubiquitously expressed.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (89%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of TP53INP1 using HepG2 whole cell lysates



IF (Immunofluorescence)
AAA327647 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TP53INP1 antibody	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 Structure: Interacts with p53/TP53 and HIPK2. Interacts with PRKCG, GABARAP, GABARAPL1, GABARAPL2, MAP1LC3A, MAP1LC3B AND MAP1LC3C. Similarity: The LC3 interacting region (LIR) motif mediates interaction with GABARAP, GABARAPL1, GABARAPL2, MAP1LC3A, MAP1LC3B and MAP1LC3C.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209180469
NCBI GeneID	94241
NCBI Accession #	NP_001129205.1
NCBI GenBank Nucleotide #	NM_001135733.1
UniProt Accession #	Q96A56; Q969R9; B2RCE5
Molecular Weight	Observed: 27 kDa Predicted: 28 kDa
NCBI Official Full Name	tumor protein p53-inducible nuclear protein 1 isoform b
NCBI Official Synonym Full Names	tumor protein p53 inducible nuclear protein 1
NCBI Official Symbol	TP53INP1
NCBI Official Synonym Symbols	SIP; Teap; p53DINP1; TP53DINP1; TP53INP1A; TP53INP1B
NCBI Protein Information	tumor protein p53-inducible nuclear protein 1
UniProt Protein Name	Tumor protein p53-inducible nuclear protein 1
UniProt Gene Name	TP53INP1
UniProt Synonym Gene Names	P53DINP1; SIP; p53DINP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.