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anti-TP53INP1 antibody (Internal Region)

2 Images



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Quantity:	100 μL
Target:	TP53INP1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TP53INP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human TP53INP1, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	TP53INP1 Antibody detects endogenous levels of total TP53INP1.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	TP53INP1

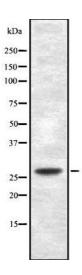
Target Details

Alternative Name:	TP53INP1 (TP53INP1 Products)
Background:	Description: 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.
	Gene: TP53INP1
Molecular Weight:	27 kDa
Gene ID:	94241
UniProt:	Q96A56
Application Details	
Application Notes:	WB 1:1000-3000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
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:	-20 °C

Handling

Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot analysis of TP53INP1 using HepG2 whole cell lysates



Immunofluorescence (fixed cells)

Image 2. ABIN6278645 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¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod