

## TP53INP1 Antibody

Catalog No: #34022

Package Size: #34022-1 50ul #34022-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

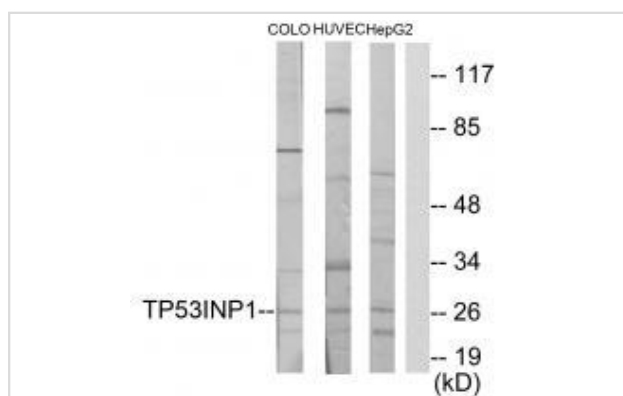
## Description

Product Name	TP53INP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TP53INP1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human TP53INP1.
Target Name	TP53INP1
Other Names	Tumor protein p53-inducible nuclear protein 1; p53-dependent damage-inducible nuclear protein 1; p53DINP1; Stress-induced protein; TP53INP1
Accession No.	Swiss-Prot: Q96A56NCBI Gene ID: 94241
Uniprot	Q96A56
GeneID	94241;
SDS-PAGE MW	27kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from COLO205 cells, HUVEC cells and HepG2 cells, using TP53INP1 antibody #34022.

## Background

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.

Okamura S., Mol. Cell 8:85-94(2001).

Tomasini R., Eur. J. Cell Biol. 81:294-301(2002).

Tomasini R., J. Biol. Chem. 278:37722-37729(2003).

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Note: This product is for in vitro research use only