TP53INP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TP53INP1, Polyclonal Antibody
Full Product Name	TP53INP1 Antibody, Biotin conjugated
Product Gene Name	anti-TP53INP1 antibody
Product Synonym Names	Tumor protein p53-inducible nuclear protein 1; Stress-induced protein; p53-dependent damage-inducible nuclear protein 1; p53DINP1; TP53INP1; P53DINP1; SIP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: TP53INP1 (MBS7050735) Biotin Conjugated Antibody: TP53INP1 (MBS7050738)
Molecular Weight	18,244 Da
OMIM	AB017926 mRNA
3D Structure	ModBase 3D Structure for Q96A56
Immunogen	Recombinant Human Tumor protein p53-inducible nuclear protein 1 protein (138-205AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Biotin
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-68919 / sc-79751 / sc-79752
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TP53INP1 antibody	ELISA (EIA)
Related Product Information for anti-TP53INP1 antibody	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.

Other Notes	Small volumes of anti-TP53INP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TP53INP1 purchase	MBS7050738 is an antibody targeting TP53INP1. Also known as TP53INP1 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TP53INP1. It may not necessarily be applicable to this product.

NCBI GI #	209180469
NCBI GeneID	94241
NCBI Accession #	NP_001129205.1
UniProt Primary Accession #	Q96A56
UniProt Secondary Accession #	Q969R9; B2RCE5
UniProt Related Accession #	Q96A56
GenBank Nucleotide #	NM_001135733.1
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
UniProt Protein Name	Tumor protein p53-inducible nuclear protein 1
UniProt Synonym Protein Names	Stress-induced protein; p53-dependent damage-inducible nuclear protein 1; p53DINP1
Protein Family	Tumor protein p53-inducible nuclear protein
UniProt Gene Name	TP53INP1
UniProt Synonym Gene Names	P53DINP1; SIP; p53DINP1
UniProt Entry Name	T53I1_HUMAN
NCBI Protein Information	tumor protein p53-inducible nuclear protein 1

UniProt Comments for TP53INP1	TP53INP1: 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. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Cell cycle regulation; Tumor suppressor Chromosomal Location of Human Ortholog: 8q22 Cellular Component: autophagic vacuole; cytoplasm; cytosol; nucleoplasm; nucleus Molecular Function: antioxidant activity; protein binding Biological Process: autophagic cell death; autophagic vacuole formation; cell cycle arrest; negative regulation of cell migration; negative regulation of cell proliferation; positive regulation of autophagy; positive regulation of transcription, DNA-dependent; regulation of apoptosis; response to stress
Research Articles on TP53INP1	**1.** miR-205/TP53INP1 mediated autophagy pathway might be an important molecular mechanism regulating radiosensitivity of prostate cancer cells
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tp53inp1/7050738