10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SIP / TP53INP1 Antibody (N-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS11277

Specification

SIP / TP53INP1 Antibody (N-Terminus) - Product Information

Application	**WB, IHC**
Primary Accession	Q96A56
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**27kDa KDa**

SIP / TP53INP1 Antibody (N-Terminus) - Additional Information

Gene ID 94241

Other Names
Tumor protein p53-inducible nuclear protein 1, Stress-induced protein, p53-dependent damage-inducible nuclear protein 1, p53DINP1, TP53INP1, P53DINP1, SIP

Target/Specificity
14 amino acids near the amino terminus of p53DINP1 (Q96A56)

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
SIP / TP53INP1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SIP / TP53INP1 Antibody (N-Terminus) - Protein Information

Name TP53INP1

Synonyms P53DINP1, SIP

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.

Cellular 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 Location
Ubiquitously expressed.

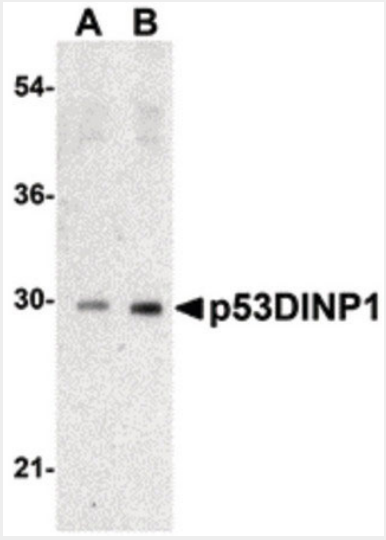
Volume
50 µl

SIP / TP53INP1 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SIP / TP53INP1 Antibody (N-Terminus) - Images



Western blot of p53DINP1 expression in human lung tissue lysate with p53DINP1 antibody at (A)...

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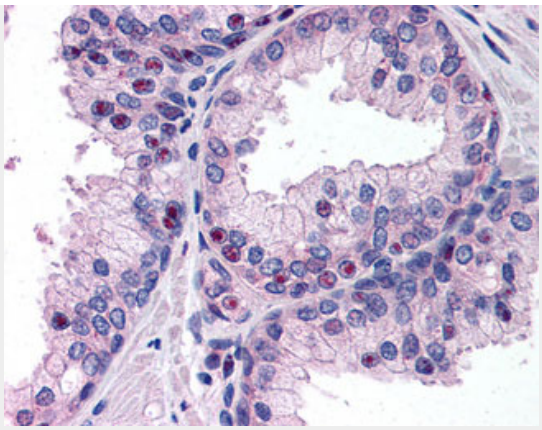

Anti-TP53INP1 antibody IHC of human prostate.

SIP / TP53INP1 Antibody (N-Terminus) - Background

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SIP / TP53INP1 Antibody (N-Terminus) - References

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