BOSTER BIOLOGICAL TECHNOLOGY
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Anti-p53AIP1 TP53AIP1 Antibody

Catalog Number: A13037-1

About TP53AIP1

The p53 tumor-suppressor protein can induce apoptosis through transcriptional activation of several genes. One such protein p53AIP was initially identified through direct cloning of p53 binding sequences from human genomic DNA. Its expression is inducible by p53 following p53 phosphorylation on Ser-46, and ectopic expression of p53AIP leads to apoptotic cell death. Both the phosphorylation of p53 and the induction of p53AIP were blocked by inhibiting the expression of p53DINP1 by the introduction of antisense oligonucleotides to p53DINP1, suggesting that the apoptosis associated with p53AIP expression is regulated by p53DINP1. Finally, as adenovirus-mediated introduction of p53AIP has been shown to suppress tumor growth in vivo, it has been suggested that p53AIP gene transfer may become a useful strategy for the treatment of p53-resistant cancers. Three isoforms of p53AIP are known to exist; this antibody will detect all three.

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Overview

Product Name	Anti-p53AIP1 TP53AIP1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-p53AIP1 TP53AIP1 Antibody (Catalog # A13037-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	p53AIP1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	p53AIP1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9HCN2

Technical Details

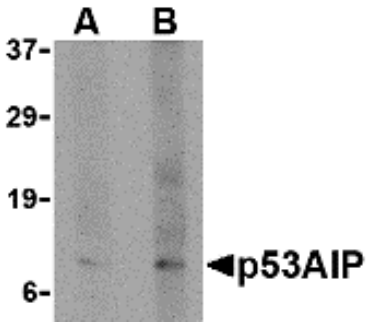
Immunogen	p53AIP1 antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human p53AIP1. The immunogen is located within the first 50 amino acids of p53AIP1.

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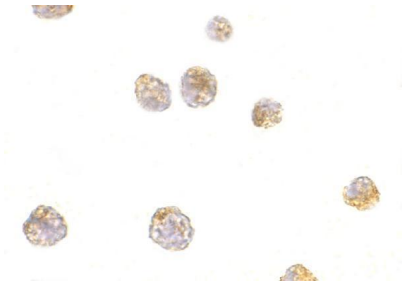
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	p53AIP1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	p53AIP1 antibody can be used for detection of p53AIP1 by Western blot at 4 - 8 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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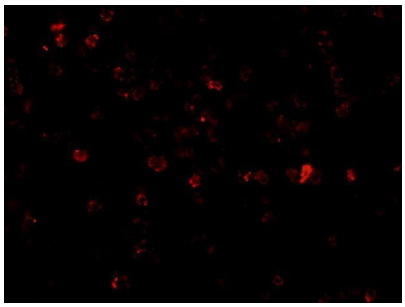
Anti-p53AIP1 TP53AIP1 Antibody (A13037-1) Images



Western blot analysis of p53AIP1 in HL60 cell lysate with p53AIP1 antibody at (A) 4 and (B) 8 ug/mL.



Immunocytochemistry of p53AIP1 in HL60 cells with p53AIP1 antibody at 10 ug/mL.



Immunofluorescence of p53AIP1 in HL60 cells with p53AIP1 antibody at 20 ug/mL.

Anti-p53AIP1 TP53AIP1 Antibody

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