

## Product datasheet for **TA306074**

### **p53 AIP1 (TP53AIP1) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 4 - 8 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	p53AIP1 antibody was raised against a 15 amino acid peptide from near the amino terminus of human p53AIP1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	lot specific
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor protein p53 regulated apoptosis inducing protein 1
Database Link:	<a href="#">BAB16421</a> <a href="#">Entrez Gene 63970 Human</a> <a href="#">Q9HCN2</a>

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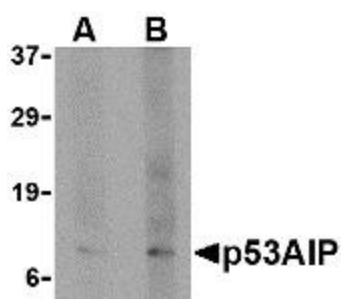
**Background:**

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.

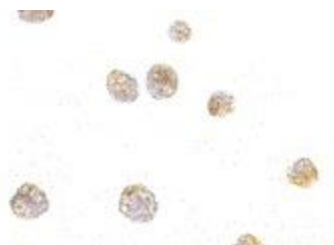
**Synonyms:**

P53AIP1

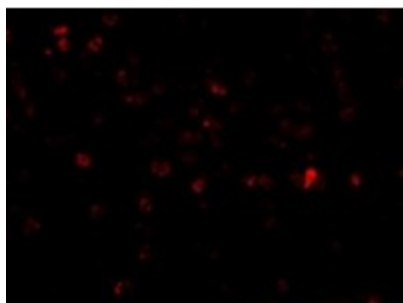
**Product images:**



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.