

p53AIP1 Polyclonal Antibody

Catalog Number PA5-20355

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	4-8 µg/mL
Immunogen	A 15 amino acid peptide from near the amino terminus of human p53AIP1.	Immunocytochemistry (ICC/IF)	10 µg/mL
Conjugate	Unconjugated	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is HL60 cell lysate. PA5-20355 can be used with blocking peptide PEP-0475.

Background/Target Information

The novel protein p53AIP, p53-regulated apoptosis-inducing protein 1, has been identified from the direct cloning of p53 binding sequences from human genomic DNA. The expression of p53AIP1 in mitochondria is induced by wild-type p53, which leads to apoptotic cell death through dissipation of mitochondrial Dym. Severe DNA damage causes the phosphorylation of p53 at Ser-46, p53AIP1 expression, and apoptotic cell death. DNA damage-inducible apoptotic cell death was enhanced through transcriptional activation of p53AIP1. P53R2 is directly regulated by p53 for supplying nucleotides to repair damaged DNA, thus plays a pivotal role in cell survival by repairing damaged DNA in the nucleus and that dysfunction of this pathway might result in activation of p53 dependent apoptosis to eliminate dangerous cells. In the opposite, p53AIP1 is likely to play an important role in mediating p53-dependent apoptosis, and phosphorylation of Ser46 regulates the transcriptional activation of this apoptosis inducing gene.

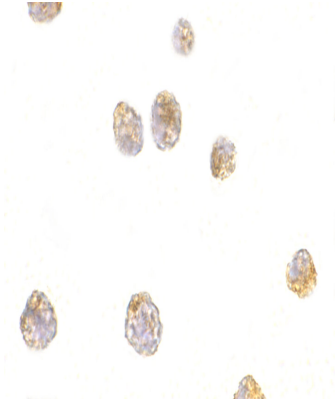
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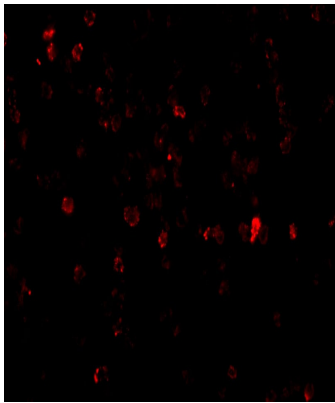
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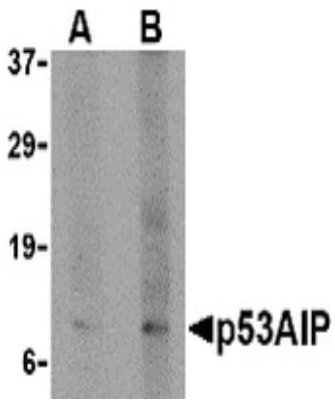
Product Images For p53AIP1 Polyclonal Antibody



p53AIP1 Antibody (PA5-20355) in ICC/IF
Immunocytochemistry of p53AIP1 in HL60 cells with p53AIP1 Polyclonal Antibody (Product # PA5-20355) at 10 µg/mL.



p53AIP1 Antibody (PA5-20355) in ICC/IF
Immunofluorescence of p53AIP1 in HL60 cells with p53AIP1 Polyclonal Antibody (Product # PA5-20355) at 20 µg/mL.



p53AIP1 Antibody (PA5-20355) in WB
Western Blot analysis of p53AIP1 in HL60 cell lysate with p53AIP1 Polyclonal Antibody (Product # PA5-20355) at (A) 4 and (B) 8 µg/mL.

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