

Rabbit anti-Human p21 Polyclonal Antibody | anti-p21 antibody

p21 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301099	Rabbit	Human	Western Blot, Immunofluorescence

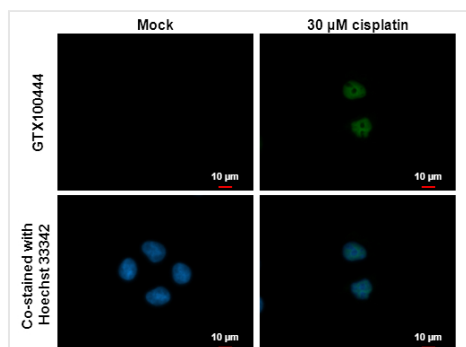
PRODUCT SYNONYMS

p21; Polyclonal Antibody; p21 Antibody; CAP20 antibody; CDKN1 antibody; CIP1 antibody; MDA-6 antibody; P21 antibody; SDI1 antibody; WAF1 antibody; p21CIP1 antibody; CDKN1A antibody; cyclin-dependent kinase inhibitor 1 antibody; melanoma differentiation associated protein 6 antibody; wild-type p; anti-p21 antibody

PRODUCT SPECIFICATIONS

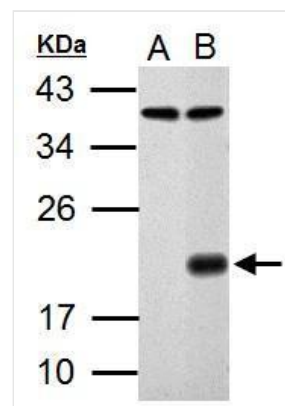
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total p21 protein.
Purity/Purification	Antibodies were purified by antigen-affinity chromatography.
Form/Format	Rabbit IgG in 1XPBS, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration	1 mg/ml (varies by lot)
Sequence Length	164
Applicable Applications for anti-p21 antibody	WB (Western Blot), IF (Immunofluorescence)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 1 and 164 of p21.
Target Name	p21
Preparation and Storage	Store at -20 degree C

IMAGES



Application Data

p21 antibody detects p21 protein at nucleus by immunofluorescent analysis. Samples: HCT116 cells mock and treated with 30μM cisplatin for 24hr and were fixed in 4% paraformaldehyde at RT for 15 min. Green: p21 protein stained by p21 antibody () diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 μm.



Application Data

Sample (30 ug of whole cell lysate) A: HCT116 B: HCT116 treated with 30uM cisplatin for 24hr 12% SDS PAGE diluted at 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-p21 antibody	This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen (PCNA), a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Two alternatively spliced variants, which encode an identical protein, have been reported. [provided by RefSeq]
Product Categories/Family for anti-p21 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386203
NCBI GeneID	1026
NCBI Accession #	NP_000380.1
NCBI GenBank Nucleotide #	NM_000389.4
UniProt Accession #	P38936; Q14010; Q6FI05; Q9BUT4
Molecular Weight	18,119 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1 isoform 1
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
NCBI Official Symbol	CDKN1A
NCBI Official Synonym Symbols	P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1
UniProt Gene Name	CDKN1A
UniProt Synonym Gene Names	CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; MDA-6
UniProt Entry Name	CDN1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p21-antibody-western-blot-immunofluorescence-elisa/301099>