

Rabbit p21 Polyclonal Antibody | anti-p21 antibody

p21 Polyclonal Antibody

CATALOG # AAA174389	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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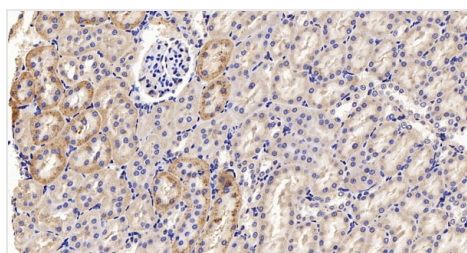
PRODUCT SYNONYMS

p21; Polyclonal Antibody; p21 Polyclonal Antibody; CAP20; CDK-interacting protein 1; CDKI; CDKN1; Cdkn1a; CDN1A; CIP1; Cyclin Dependent Kinase Inhibitor 1A; Cyclin-dependent kinase inhibitor 1; Cyclin-dependent kinase inhibitor 1A (P21); Cyclin-dependent kinase inhibitor 1A (p21; Cip1); DNA Synthesis Inhibitor; MDA-6; MDA6; Melanoma differentiation-associated protein 6; Melanoma differentiation-associated protein; P21 protein; p21CIP1; p21Cip1/Waf1; p21WAF; PIC1; SDI1; SLC12A9; WAF1; Wild type p53 activated fragment 1 (WAF1); Wild type p53 activated fragment 1; Wildtype p53-activated fragment 1; anti-p21 antibody

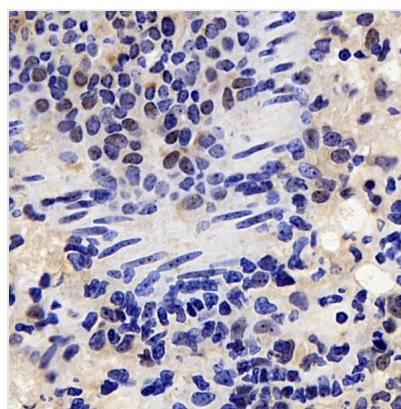
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.
Sequence Length	164
Applicable Applications for anti-p21 antibody	IHC (Immunohistochemistry)
Immunogen	KLH conjugated synthetic peptide corresponding to Mouse P21
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

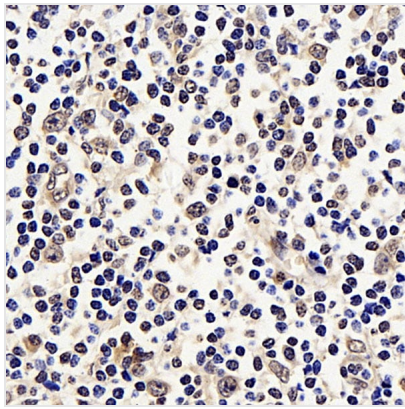
IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat spleen using p21 Polyclonal Antibody at dilution of 1:300.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse lung using p21 Polyclonal Antibody at dilution of 1:300.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human tonsil using p21 Polyclonal Antibody at dilution of 1:300.

ADDITIONAL INFORMATION

Related Product Information for anti-p21 antibody	CDKN1A (p21, CIP1, WAF1), a cyclin-dependent kinase inhibitor, is necessary for proper control of the cell cycle and premature senescence. P21 is a cyclin-dependent kinase (CDK) inhibitor that suppresses proliferation by inhibiting CDK2 and CDK1 activity at the G1/S and G2/M transitions. P21 is a major mediator of p53 to induce cell cycle arrest in G1. p21 can interact with proliferating cell nuclear antigen (PCNA), and plays a regulatory role in S phase DNA replication and DNA damage repair. P21 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. Overexpression of p21 decreases the expression levels of cell cycle progression genes and upregulates senescence-inducing genes.
Product Categories/Family for anti-p21 antibody	Cancer ; Cell Biology ; Epigenetics and Nuclear Signaling

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
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1 isoform 1
NCBI Official Synonym Full Names	cyclin dependent kinase inhibitor 1A
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

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.