

Rabbit p21WAF1 Monoclonal Antibody | anti-p21WAF1 antibody

p21WAF1 (Tumor Suppressor Protein)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62908	Rabbit	Human.Does not react with Mouse and Rat. Others not known.	Immunohistochemistry

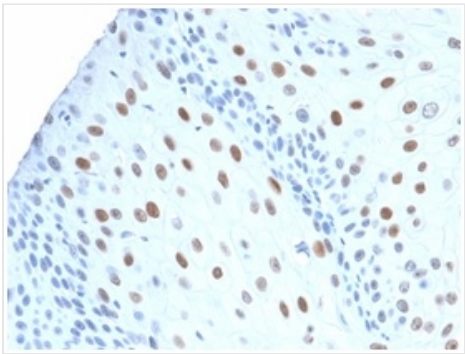
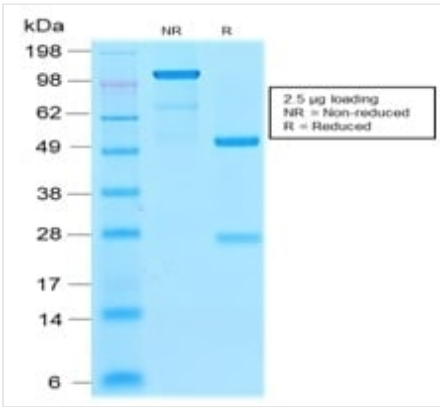
PRODUCT SYNONYMS

p21WAF1; Monoclonal Antibody; p21WAF1 (Tumor Suppressor Protein); Activating Fragment 1; CAP20; CDK-interacting protein 1; CDKI; CDKN1; CDKN1A; CIP1; Cyclin-dependent kinase inhibitor 1A (p21; Cip1); DNA Synthesis Inhibitor; MDA6; Melanoma Differentiation Associated Protein 6; p21Cip1/Waf1; PIC1; SDI1; SLC12A9; Wild type p53 activated fragment 1 (WAF1); anti-p21WAF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. Does not react with Mouse and Rat. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	CIP1/2275R
Specificity	This MAb recognizes a 21kDa protein, identified as the p21WAF1 tumor suppressor protein. This MAb is highly specific to p21 and shows no cross-reaction with other closely related mitotic inhibitors. p21WAF1 is a specific inhibitor of cdk's and a tumor suppressor involved in the pathogenesis of a variety of malignancies. The expression of this gene acts as an inhibitor of the cell cycle during G1 phase and is tightly controlled by the tumor suppressor protein p53. Its expression is induced by the wild type, but not mutant, p53 suppressor protein. Normal cells generally display a rather intense nuclear p21 expression. Loss of p21 expression has been reported in many carcinomas (gastric carcinoma, non-small cell lung carcinoma, thyroid carcinoma).
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	164
Applicable Applications for anti-p21WAF1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human CDKN1A protein
Cellular Localization	Nuclear
Hu-chromosome Location	6p21.31
Positive Control	HeLa Cells. Skin, colon, or breast carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Urothelial Carcinoma stained with p21 Rabbit Recombinant Monoclonal Antibody (CIP1/2275R).

SDS-PAGE
SDS-PAGE Analysis Purified p21 Rabbit Recombinant Monoclonal Antibody (CIP1/2275R).

ADDITIONAL INFORMATION

References	Harper, J.W., et al. 1993. The p21 Cdk-interacting protein Cip1 is a potent inhibitor of G1 cyclin-dependent kinases. Cell 75: 805-816.
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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	21kDa
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.