

## Recombinant p21 Antibody [clone rCIP1/823] (V3549)

Catalog No.	Formulation	Size
V3549-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3549-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3549SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3549IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

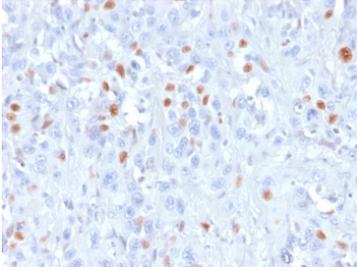
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

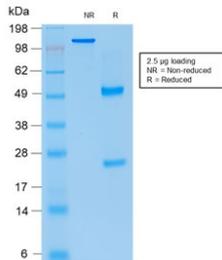
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rCIP1/823
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P38936
<b>Localization</b>	Nuclear
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant p21 antibody is available for research use only.



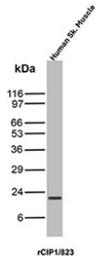
p21 Antibody Human HeLa WB. Western blot testing of human HeLa cell lysate with recombinant p21 antibody (clone rCIP1/823).



p21 antibody human urothelial carcinoma IHC. Immunohistochemistry testing of human urothelial carcinoma with recombinant p21 antibody (rCIP1/823). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant p21 antibody (clone rCIP1/823) as confirmation of integrity and purity.



p21 Antibody Human Skeletal Muscle Tissue WB. Western blot testing of human skeletal muscle tissue lysate with recombinant p21 antibody (clone rCIP1/823).

## Description

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).

This antibody is part of a [broader antibody panel](#) offered by NSJ Bioreagents.

## Application Notes

Optimal dilution of the recombinant p21 antibody to be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant p21 antibody.

## Storage

Store the recombinant p21 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

