

## Recombinant CDNK1A Antibody / p21 [clone CIP1/2275R] (V3550)

Catalog No.	Formulation	Size
V3550-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3550-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3550SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3550IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

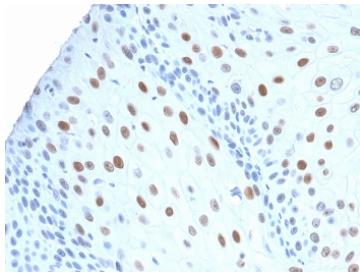
Recombinant **RABBIT MONOCLONAL**

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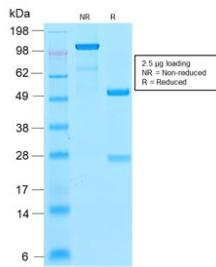
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CIP1/2275R
Purity	Protein A affinity chromatography
UniProt	P38936
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant CDNK1A antibody is available for research use only.



Western blot testing of human HeLa cell lysate with recombinant CDNK1A antibody (clone CIP1/2275R).



IHC testing of human urothelial carcinoma with recombinant CDNK1A antibody (clone CIP1/2275R). 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 CDNK1A antibody (clone CIP1/2275R) as confirmation of integrity and purity.

## Description

This mAb recognizes a 21kDa protein, identified as the p21WAF1 tumor suppressor protein, expressed by the CDNK1A gene. This mAb is highly specific to CDNK1A/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 CDNK1A expression has been reported in many carcinomas (gastric carcinoma, non-small cell lung carcinoma, thyroid carcinoma).

## Application Notes

Optimal dilution of the recombinant CDNK1A 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 CDNK1A antibody.

## Storage

Store the recombinant CDNK1A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).