

# Product Datasheet

## CDC2/CDK1 [p Tyr15] Antibody - Azide Free NB500-142

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**NB500-142****CDC2/CDK1 [p Tyr15] Antibody - Azide Free**

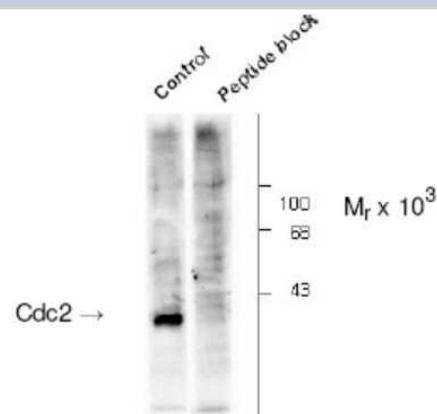
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
<b>Target Molecular Weight</b>	34 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit CDC2/CDK1 [p Tyr15] Antibody - Azide Free (NB500-142) is a polyclonal antibody validated for use in WB. Anti-CDC2/CDK1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	983
<b>Gene Symbol</b>	CDK1
<b>Species</b>	Human, Mouse, Xenopus
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~34 kDa CDC2/CDK1 protein phosphorylated at Tyr15. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
<b>Immunogen</b>	Synthetic phospho-peptide corresponding to amino acid residues surrounding Tyr15 conjugated to KLH. Accession # P39951

Product Application Details	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot 1:1000
<b>Application Notes</b>	NB500-142 can be used in Western blot where a band is seen at ~ 34 kDa, representing CDC2. Immunohistochemical analysis has not yet been determined.

**Images**

Western Blot: Cdc2 [p Tyr15] Antibody [NB500-142] - Western Blot. Western blot of SK-N-MC total cell extracts, treated with hydroxyurea for 22 hours to induce Tyr15 cdc2 phosphorylation. The labeling by the antibody to phospho Tyr15 cdc2 is specifically blocked by the Ser15 phosphopeptide used as antigen. The corresponding non-phosphopeptide did not block the immunolabeling (not shown).



## Publications

Wieschus EF Temperature-induced uncoupling of cell cycle regulators Dev Biol 2020-12-05 [PMID: 33278404]

Forester CM, Maddox J, Louis JV et al. Control of mitotic exit by PP2A regulation of Cdc25C and Cdk1. Proc Natl Acad Sci U S A. 2007-12-11 [PMID: 18056802]





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### **Products Related to NB500-142**

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NBL1-08991	CDC2/CDK1 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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