

# Product Datasheet

## PLK1 [p Ser482, p Ser486, p Ser490] Antibody - Azide Free NB300-278

Unit Size: 0.1 ml

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

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



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### Publications: 3

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**NB300-278**

PLK1 [p Ser482, p Ser486, p Ser490] Antibody - Azide Free

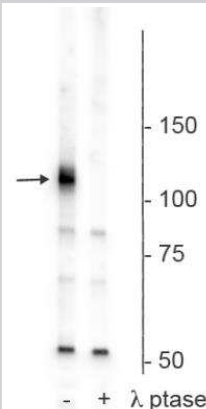
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	120 kDa

Product Description	
Description	Novus Biologicals Rabbit PLK1 [p Ser482, p Ser486, p Ser490] Antibody - Azide Free (NB300-278) is a polyclonal antibody validated for use in WB. Anti-PLK1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5347
Gene Symbol	PLK1
Species	Rat, Xenopus
Marker	Mitosis Marker
Specificity/Sensitivity	Specific for endogenous levels of the ~120k PLK1 protein phosphorylated at Ser482,486,490.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser482/486/490 conjugated to KLH. Accession # P70032

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:1000

**Images**

Western Blot: PLK1 [p Ser482, p Ser486, p Ser490] Antibody [NB300-278] - Analysis of rat hippocampal membrane lysate showing specific immunolabeling of the ~120 kDa Polo-Like Kinase Kinase phosphorylated at Ser482,486,490 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by blot treatment with lambda phosphatase.



## Publications

Liu J, Lewellyn AL, Chen LG, Maller JL. The polo box is required for multiple functions of Plx1 in mitosis. *Chem* 279:21367-21373. [PMID: 15016807]

Kumagai A, Dunphy WG. Purification and molecular cloning of Plx1, a Cdc25-regulatory kinase from *Xenopus* egg extracts. *Science* 273:1377-1380. [PMID: 8703070]

Erikson E, Haystead TA, Qian YW, Maller JL. A feedback loop in the polo-like kinase activation pathway. *Biol Chem* 279:32219-32224. 2004-01-01 [PMID: 15166215]





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### **Products Related to NB300-278**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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