

# Product Datasheet

## PLK1 Antibody (OTI1D4) NBP1-48291

Unit Size: 0.1 ml

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

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



[technical@novusbio.com](mailto:technical@novusbio.com)

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Updated 10/23/2024 v.20.1

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**NBP1-48291**

PLK1 Antibody (OTI1D4)

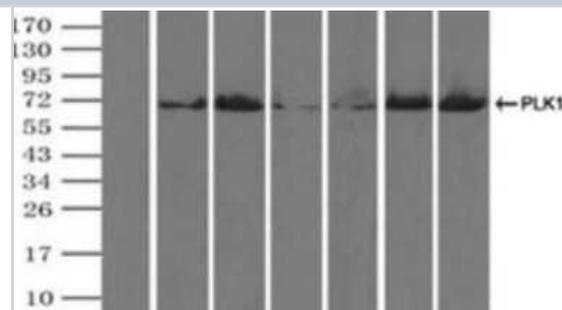
Product Information	
Unit Size	0.1 ml
Concentration	2.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1D4
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	68.1 kDa

Product Description	
Host	Mouse
Gene ID	5347
Gene Symbol	PLK1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Marker	Mitosis Marker
Immunogen	Full length human recombinant protein of human PLK1 (NP_005021) produced in HEK293T cell.

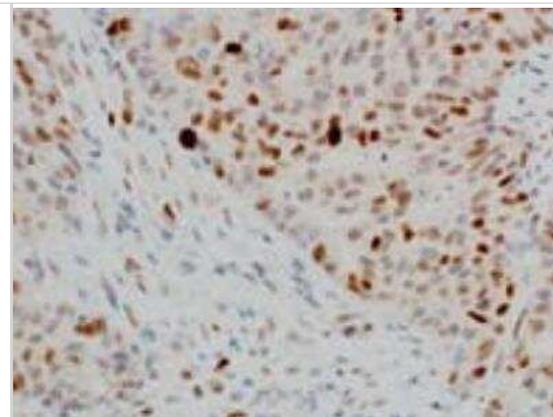
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry, Immunohistochemistry 1:150, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin 1:150

**Images**

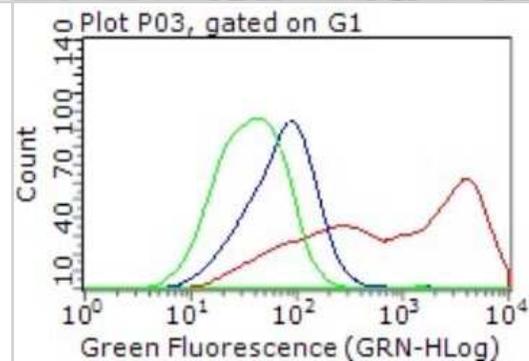
Western Blot: PLK1 Antibody (OTI1D4) [NBP1-48291] - (Negative control: IP without adding anti-PLK1 antibody.). For each experiment, 500ul of DDK tagged PLK1 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of



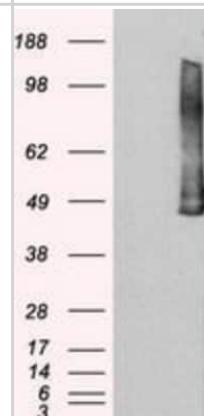
**Immunohistochemistry-Paraffin: PLK1 Antibody (OT11D4) [NBP1-48291]**  
 - Staining of paraffin-embedded human endometrium tissue using PLK1 antibody (OT11D4). Primary antibody dilution 1:200. Image from verified customer review.



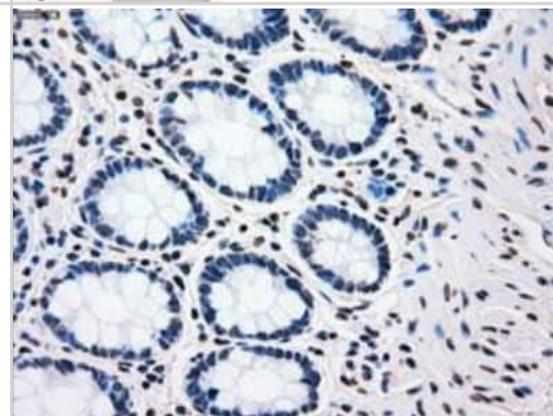
**Flow Cytometry: PLK1 Antibody (OT11D4) [NBP1-48291]** - HEK293T cells transfected with either PLK1 Human Tagged ORF Clone overexpress plasmid (Red), compared to an IgG isotype control, (Green) or empty vector control plasmid (Blue) were immunostained by anti-PLK1 antibody, and then analyzed by flow cytometry (1:100).



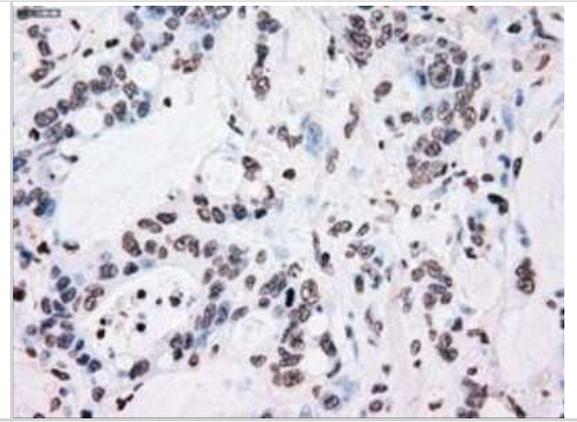
**Western Blot: PLK1 Antibody (OT11D4) [NBP1-48291]** - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PLK1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PLK1.



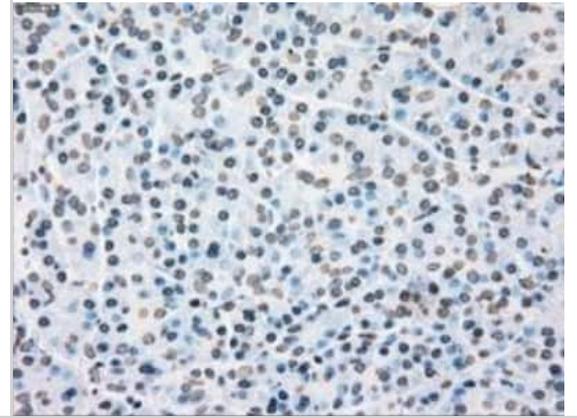
**Immunohistochemistry-Paraffin: PLK1 Antibody (OT11D4) [NBP1-48291]**  
 - Staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-PLK1 mouse monoclonal antibody.



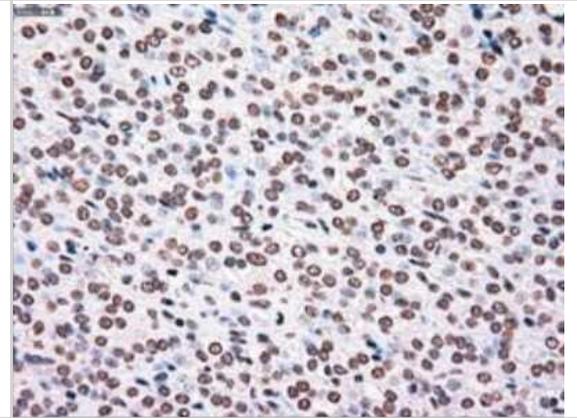
Immunohistochemistry-Paraffin: PLK1 Antibody (OT11D4) [NBP1-48291]  
- Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PLK1 mouse monoclonal antibody.



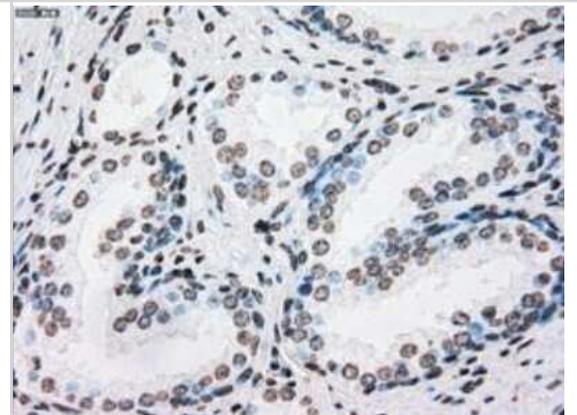
Immunohistochemistry-Paraffin: PLK1 Antibody (OT11D4) [NBP1-48291]  
- Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PLK1 mouse monoclonal antibody.



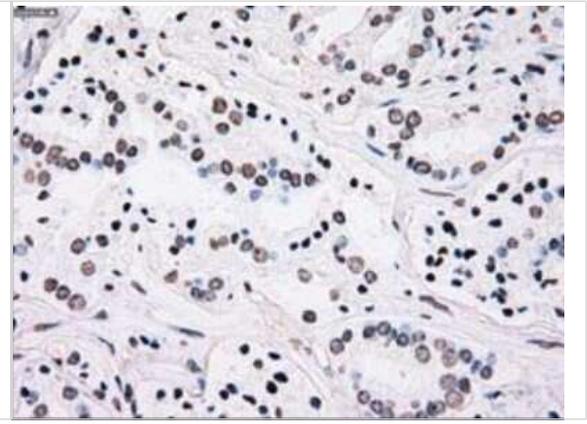
Immunohistochemistry-Paraffin: PLK1 Antibody (OT11D4) [NBP1-48291]  
- Staining of paraffin-embedded Human endometrium tissue using anti-PLK1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: PLK1 Antibody (OT11D4) [NBP1-48291]  
- Staining of paraffin-embedded Human pancreas tissue using anti-PLK1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: PLK1 Antibody (OT11D4) [NBP1-48291]  
- Staining of paraffin-embedded Human prostate tissue using anti-PLK1 mouse monoclonal antibody.





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### **Products Related to NBP1-48291**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-49074PEP	PLK1 Recombinant Protein Antigen

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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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