

# Product Datasheet

## PLK1 Antibody (OTI1D4) NBP1-48291

Unit Size: 0.1 ml

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

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**NBP1-48291**

PLK1 Antibody (OTI1D4)

**Product Information**

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

**Product Description**

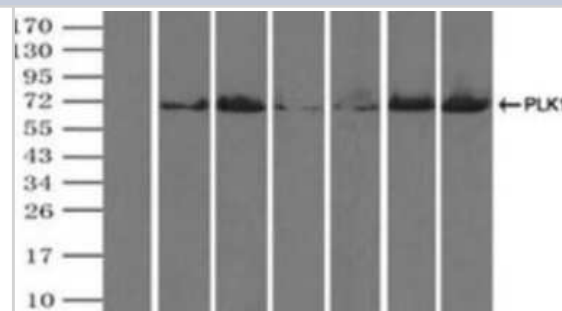
<b>Host</b>	Mouse
<b>Gene ID</b>	5347
<b>Gene Symbol</b>	PLK1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background 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.
<b>Marker</b>	Mitosis Marker
<b>Immunogen</b>	Full length human recombinant protein of human PLK1 (NP_005021) produced in HEK293T cell.

**Product Application Details**

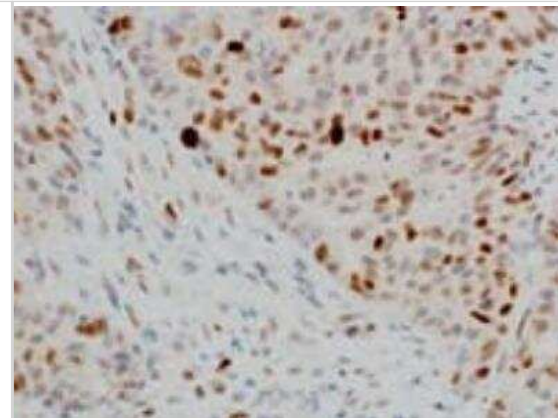
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:2000, Flow Cytometry, Immunohistochemistry 1:150, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin 1:150

**Images**

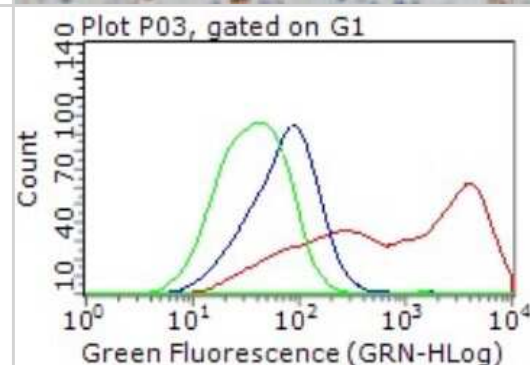
Western Blot: PLK1 Antibody (OTI1D4) [NBP1-48291] - (Negative control: IP without adding anti-PLK1 antibody.). For each experiment, 500ul of DDK tagged PLK1 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of



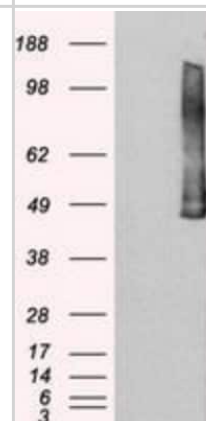
**Immunohistochemistry-Paraffin: PLK1 Antibody (OTI1D4) [NBP1-48291]**  
 - Staining of paraffin-embedded human endometrium tissue using PLK1 antibody (OTI1D4). Primary antibody dilution 1:200. Image from verified customer review.



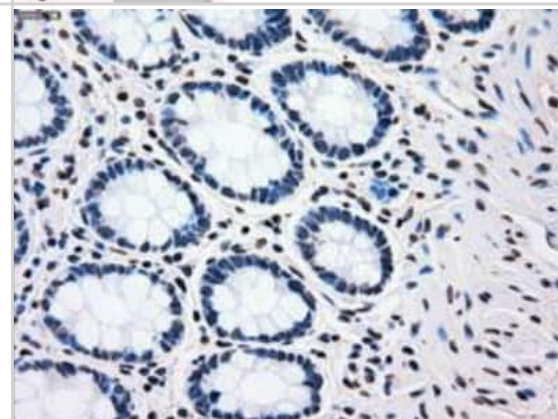
**Flow Cytometry: PLK1 Antibody (OTI1D4) [NBP1-48291]** - HEK293T cells transfected with either PLK1 Human Tagged ORF Clone overexpress plasmid (Red), compared to an IgG isotype control, (Green) or empty vector control plasmid (Blue) were immunostained by anti-PLK1 antibody, and then analyzed by flow cytometry (1:100).



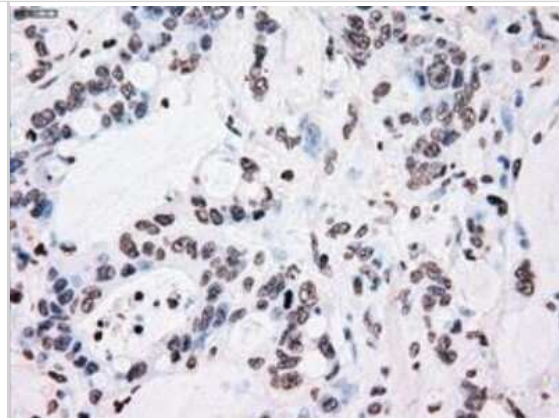
**Western Blot: PLK1 Antibody (OTI1D4) [NBP1-48291]** - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PLK1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PLK1.



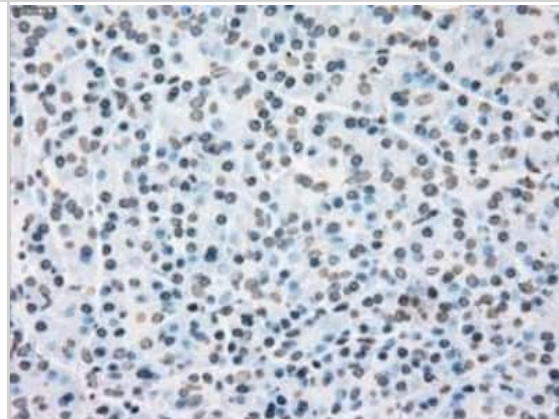
**Immunohistochemistry-Paraffin: PLK1 Antibody (OTI1D4) [NBP1-48291]**  
 - Staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-PLK1 mouse monoclonal antibody.



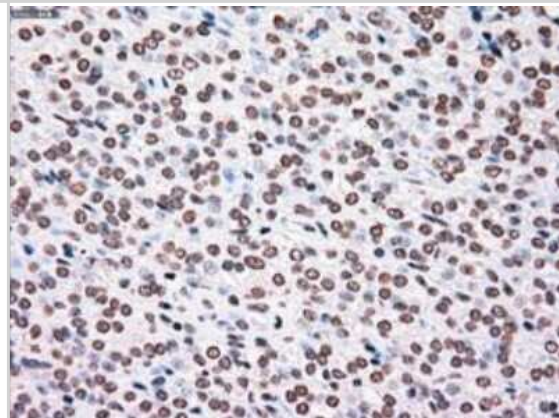
Immunohistochemistry-Paraffin: PLK1 Antibody (OTI1D4) [NBP1-48291]  
- Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PLK1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: PLK1 Antibody (OTI1D4) [NBP1-48291]  
- Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-PLK1 mouse monoclonal antibody.



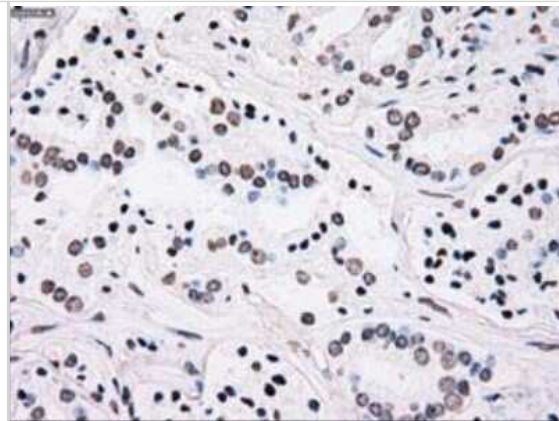
Immunohistochemistry-Paraffin: PLK1 Antibody (OTI1D4) [NBP1-48291]  
- Staining of paraffin-embedded Human endometrium tissue using anti-PLK1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: PLK1 Antibody (OTI1D4) [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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