

Product Datasheet

PLK1 Antibody (13E8) NB100-74502

Unit Size: 100ug

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

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Publications: 2

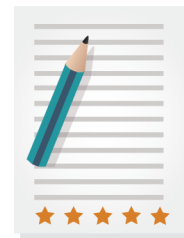
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NB100-74502

PLK1 Antibody (13E8)

Product Information

Unit Size	100ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	13E8
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS with 1 mg/ml BSA

Product Description

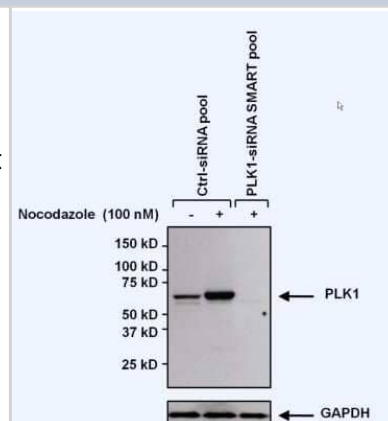
Host	Mouse
Gene ID	5347
Gene Symbol	PLK1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Mitosis Marker
Specificity/Sensitivity	Detects PLK1 from human, mouse, and rat samples.
Immunogen	Recombinant protein containing residues 300-400 of human PLK1.

Product Application Details

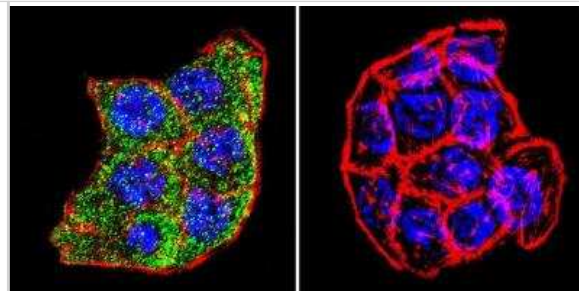
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:20, Immunocytochemistry/ Immunofluorescence 1:20, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:20

Images

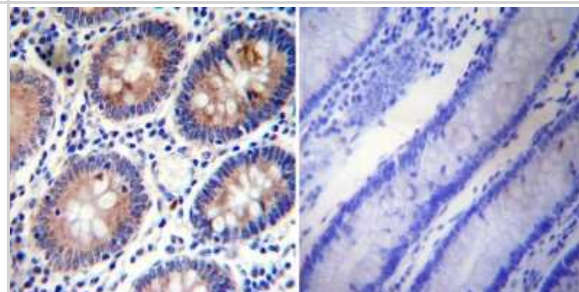
Western Blot: PLK1 Antibody (13E8) [NB100-74502] - Proteins were transferred to a PVDF membrane and blocked with 5% Milk/TBST for at least 1 hour. Membranes were probed with PLK1 mouse monoclonal antibody at a dilution of 1:1000 overnight at 4C on a rocking platform. Membranes were washed in TBS-0.1%Tween 20 and probed with a goat anti-mouse-HRP secondary antibody at a dilution of 1:20,000 for at least one hour. Membranes were washed and chemiluminescent detection performed.



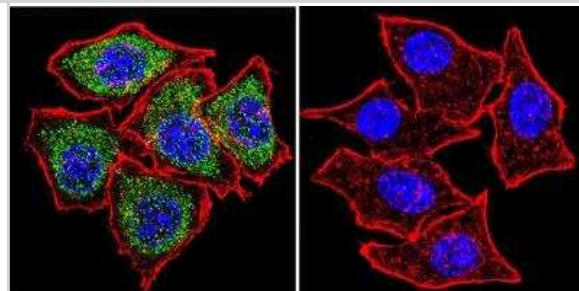
Immunocytochemistry/Immunofluorescence: PLK1 Antibody (13E8) [NB100-74502] - PLK1 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) in WiDr colon carcinoma cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing PLK1 at a dilution of 1:20 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



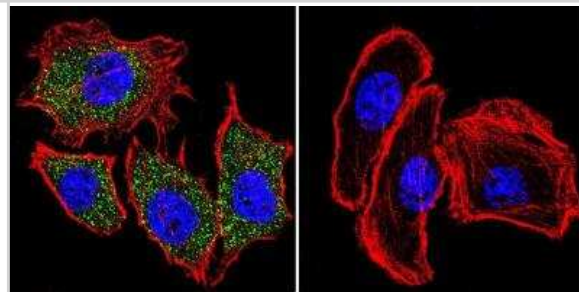
Immunohistochemistry-Paraffin: PLK1 Antibody (13E8) [NB100-74502] - Both normal and cancer biopsies of deparaffinized human Colon tissue.



Immunocytochemistry/Immunofluorescence: PLK1 Antibody (13E8) [NB100-74502] - PLK1 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) in HeLa cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing PLK1 at a dilution of 1:20 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Immunocytochemistry/Immunofluorescence: PLK1 Antibody (13E8) [NB100-74502] - PLK1 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) in U251 glioma cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing PLK1 at a dilution of 1:20 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Publications

Lee DS, Lee S, Kim C et al. The Casein Kinase 2 Inhibitor CX-4945 Promotes Cholangiocarcinoma Cell Death Through PLK1 Anticancer research 2022-07-01 [PMID: 35790285]

Chow M, Gu Y, He L Et al. Prognostic and Therapeutic Potential of The OIP5 Network in Papillary Renal Cell Carcinoma Research Square 2021-07-30 [PMID: 34503297]



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Products Related to NB100-74502

NBL1-14515	PLK1 Overexpression Lysate
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)

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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