

Product Datasheet

PLK1 Antibody (2G12) - Azide and BSA Free H00005347-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00005347-M01

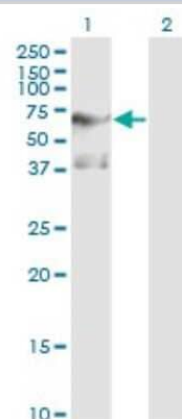
PLK1 Antibody (2G12) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2G12
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Ascites
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5347
Gene Symbol	PLK1
Species	Human
Marker	Mitosis Marker
Specificity/Sensitivity	PLK1 - polo-like kinase 1 (Drosophila)
Immunogen	PLK1 (AAH02369, 1 a.a. ~ 603 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSAAVTAGKLARAPADPGKAGVPGVAAPGAPAAAPPAKEIPEVLVDPRSRRRY VRGRFLGKGGFAKCFEISDADTKEVFAGKIVPKSLLLKPHQREKMSMEISIHRS AHQHVVGFHGGFFEDNDFVVFVLELCRRRSLELHKRRKALTEPEARYYLQIVL GCQYLHRNRVIHRDLKLGNLFLNEDLEVKGIDFGLATKVEYDGERKKTLCGTPN YIAPEVLSKKGHSFEVDVWSIGCIMYTLLVGKPPFETSCLKETYLRKKNEYSIPK HINPVAASLIQKMLQTDPTARPTINELLNDEFFTSGYIPARLPITCLTIPPRFSIAPS SLDPSNRKPLTVLNKGLNPLPERPREKEEPVVRETGEVVDCHLSDMLQQLHS VNASKPSEGLVRQEEAEDPACIPIFVWSKWVDYSDKYGLGYQLCDNSVGVLV NDSTRILYNDGDSLQYIERDGTESYLTVSSHNSLMKKITLLKYFRNYMSEHLL KAGANITPREGDELARLPYLRTWFRTRSAILHLNSGVSQINFFQDHTKLILCPLM AAVTYIDEKRDFRTYRLSLLEEYGCCKELASRLRYARTMVDKLLSSRSASNRLK AS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Proximity Ligation Assay
Application Notes	This antibody reactivity against cell lysate and recombinant protein for WB. It has been useful for IF and ELISA. IHC-P usage reported in scientific literature (PMID: 24722282).

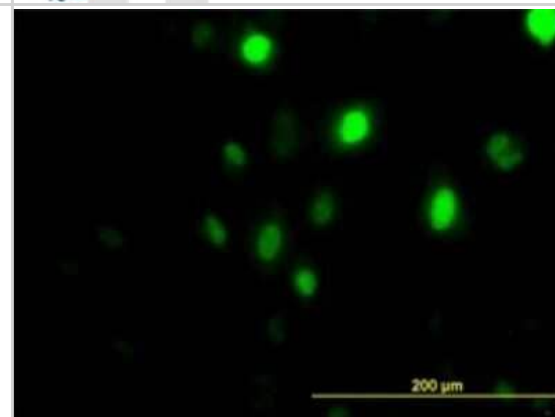


Images

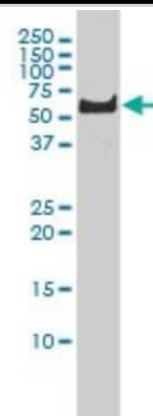
Western Blot: PLK1 Antibody (2G12) [H00005347-M01] - Analysis of PLK1 expression in transfected 293T cell line by PLK1 monoclonal antibody (M01), clone 2G12. Lane 1: PLK1 transfected lysate (68.3 KDa). Lane 2: Non-transfected lysate.



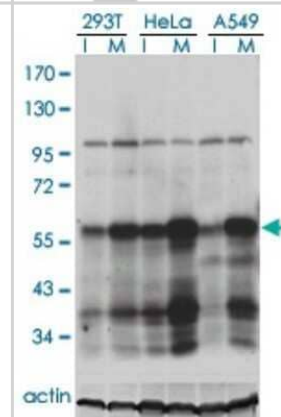
Immunocytochemistry/Immunofluorescence: PLK1 Antibody (2G12) [H00005347-M01] - Analysis of monoclonal antibody to PLK1 on HeLa cell. Antibody concentration 10 ug/ml.



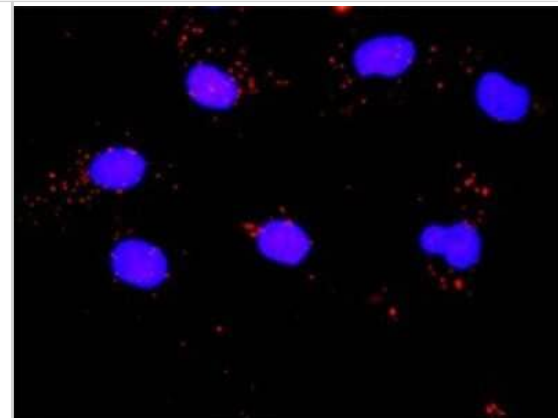
Western Blot: PLK1 Antibody (2G12) [H00005347-M01] - PLK1 monoclonal antibody (M01), clone 2G12 Analysis of PLK1 expression in HeLa S3 NE.



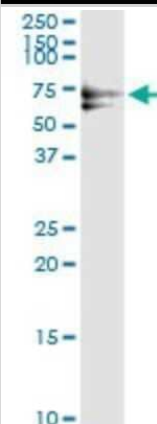
Western Blot: PLK1 Antibody (2G12) [H00005347-M01] - Analysis of PLK1 in extracts from 293T, HeLa and A549 cell using anti-PLK1 monoclonal antibody.



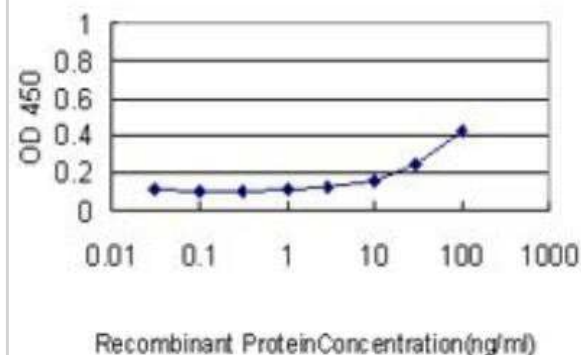
Proximity Ligation Assay: PLK1 Antibody (2G12) [H00005347-M01] - Analysis of protein-protein interactions between CCNB1 and PLK1. Mahlavu cells were stained with anti-CCNB1 rabbit purified polyclonal 1:1200 and anti-PLK1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunoprecipitation: PLK1 Antibody (2G12) [H00005347-M01] - Analysis of PLK1 transfected lysate using anti-PLK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PLK1 MaxPab rabbit polyclonal antibody.



ELISA: PLK1 Antibody (2G12) [H00005347-M01] - Detection limit for recombinant GST tagged PLK1 is approximately 1ng/ml as a capture antibody.



Publications

Werle K, Chen J, Xu HG et al. Liver kinase B1 regulates the centrosome via PLK1. Cell Death Dis 2014-04-11 [PMID: 24722282] (ICC/IF, WB, IHC-P, IP, Human)



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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-49074PEP	PLK1 Recombinant Protein Antigen

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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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