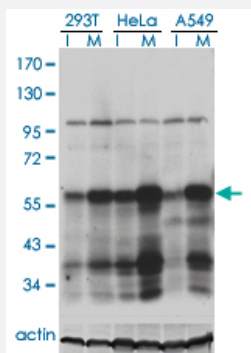


PLK1 monoclonal antibody (M01), clone 2G12

Catalog # H00005347-M01

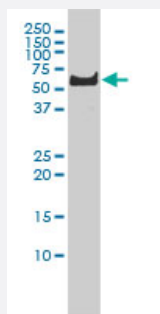
Size 100 ug

Applications



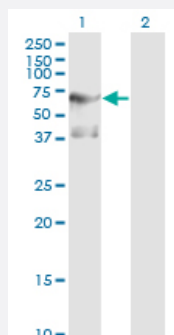
Western Blot (Cell lysate)

Western blot analysis of PLK1 in extracts from 293T, HeLa and A549 cell using anti-PLK1 monoclonal antibody.



Western Blot (Cell lysate)

PLK1 monoclonal antibody (M01), clone 2G12 Western Blot analysis of PLK1 expression in HeLa S3 NE (Cat # L013V3).

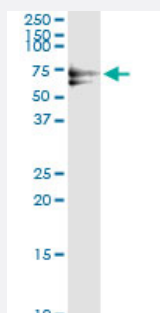


Western Blot (Transfected lysate)

Western Blot 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.

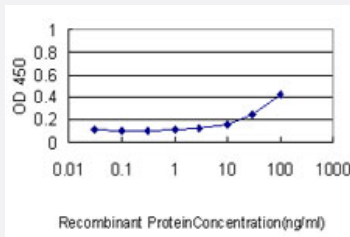


Immunoprecipitation

Immunoprecipitation of PLK1 transfected lysate using anti-PLK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PLK1 MaxPab rabbit polyclonal antibody.

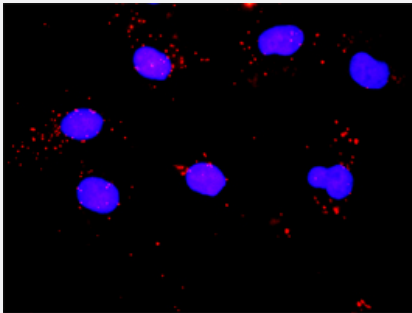
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLK1 is approximately 1ng/ml as a capture antibody.



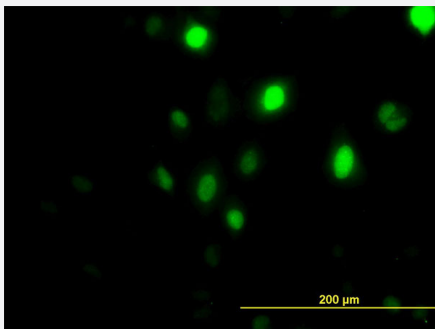
In situ Proximity Ligation Assay (Cell)

Proximity Ligation 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).

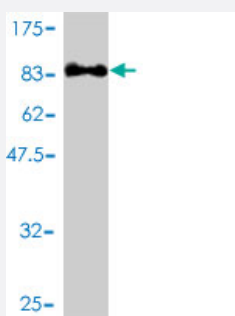


Immunofluorescence

Immunofluorescence of monoclonal antibody to PLK1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (91.85 KDa) .



Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PLK1.

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.

Sequence	MSAAVTAGKLARAPADPGKAGVPGVAAPGAPAAAPPAKEIPEVLVDPRSRRRYVRGRFLGKGG FAKCFEISDADTKEVFAGKMPKSLLLKPHQREKMSMEISIHRS LAHQHVVGFGHGFEDNDFV FVV LELCRRRSLELHKRRKALTEPEARYYLRQMLGCQYLHRNRVIHRDLKLG NLFNEDLEV KIGDFG LATKVEYDGERKKTL CGTPNYAPEVLSKKGHSFEVDVWSIGCIMYTLLVGKPPFETSCLKETYLR I KKNEYSIPKHINPVAASLIQKMLQTDPTARPTINELLNDEFFTSGYIPARLPITCLTIPPRFSIAPSSLD PSNRKPLTVLNKGL ENPLPERPREKEEPVVRETGEVVDCHLSDMLQQLHSVNASKP SERGLVR QEEAEDPACIPIFWVSKWVDYSDKYGLGYQLCDNSVGVLFN DSTRILYNDGDSLQYIERDGTESY LTVSSHPNSLMKKITLLKYFRNYMSEHLLKAGANITPREGDELARLPYLRTWFRTRSAILHL SNGSV QINFFQDHTKLILCPLMAAVTYIDEKRDFRTYRLSLLEEYGCCKELASRLRYARTMVDKLLSSRSAS NRLKAS
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (91.85 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western blot analysis of PLK1 in extracts from 293T, HeLa and A549 cell using anti-PLK1 monoclonal antibody.

[Protocol Download](#)

- Western Blot (Cell lysate)

PLK1 monoclonal antibody (M01), clone 2G12 Western Blot analysis of PLK1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

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[Protocol Download](#)

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[Protocol Download](#)

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- Immunofluorescence

Immunofluorescence of monoclonal antibody to PLK1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PLK1

Entrez GeneID	5347
GeneBank Accession#	BC002369
Protein Accession#	AAH02369
Gene Name	PLK1
Gene Alias	PLK, STPK13
Gene Description	polo-like kinase 1 (Drosophila)
Omim ID	602098
Gene Ontology	Hyperlink
Other Designations	cell cycle regulated protein kinase polo (Drosophila)-like kinase polo like kinase polo-like kinase

Pathway

- [Cell cycle](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)