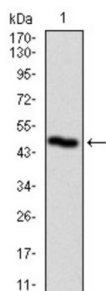
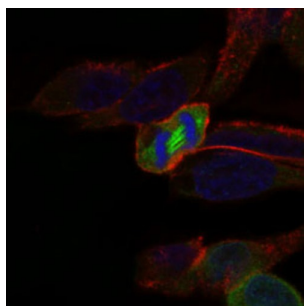


Serine/threonine-Protein Kinase PLK1 (PLK1) Antibody

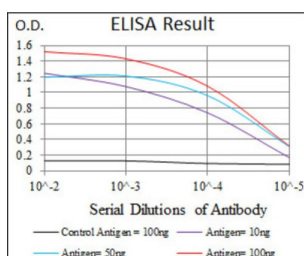
Catalogue No.: abx011365



Western blot analysis using PLK1 antibody against human PLK1 recombinant protein. (Expected MW is 45.7 kDa).



Immunofluorescence analysis of HeLa cells using PLK1 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

Polo-like kinase 1 (Plk1) plays key roles in many aspects of mitosis. Suppression of Plk1 by p21 (Waf1) is responsible for p53-dependent protection against adriamycin-induced caspase-independent mitotic death.

Target: Serine/threonine-Protein Kinase PLK1 (PLK1)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IF/ICC

Host: Mouse

Recommended dilutions: ELISA: 1/10000, IF/ICC: 1/50. Optimal dilutions/concentrations should be determined by the end user.

Datasheet

Version: 4.0.0
Revision date: 02 Aug 2025



Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human PLK1 (AA: 331-508) expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P53350 (UniProt , ExPASy)
Gene Symbol:	PLK1
GeneID:	5347
OMIM:	602098
HGNC:	9077
KEGG:	hsa:5347
Ensembl:	ENSG00000166851
String:	9606.ENSP00000300093
Molecular Weight:	68 kDa
Buffer:	PBS, containing 0.05% sodium azide.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.