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**Product Name: PLK1 Rabbit Monoclonal Antibody****Catalog #: AMRe03292**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,IP
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.3mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 68 kDa; Observed MW: 68 kDa

**Antigen Information**

<b>Gene Name</b>	PLK1
<b>Alternative Names</b>	PLK1; PLK; Serine/threonine-protein kinase PLK1; Polo-like kinase 1; PLK-1; Serine/threonine-protein kinase 13; STPK13
<b>Gene ID</b>	5347
<b>SwissProt ID</b>	P53350
<b>Immunogen</b>	A synthetic peptide corresponding to target protein

**Background**

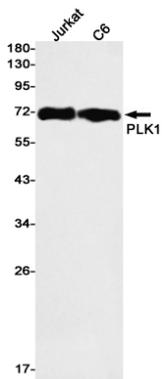
Required for recovery after DNA damage checkpoint and entry into mitosis. Required for kinetochore localization of BUB1B.

Phosphorylates SGOL1. Required for spindle pole localization of isoform 3 of SGOL1 and plays a role in regulating its centriole cohesion function. Phosphorylates BORA, and thereby promotes the degradation of BORA. Contributes to the regulation of AURKA function. Regulates TP53 stability through phosphorylation of TOPORS.

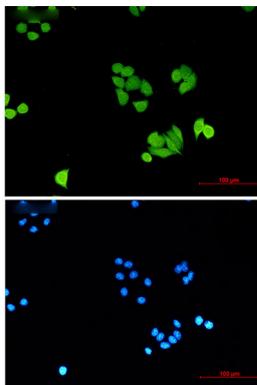
## Research Area

Cell Biology

## Image Data



Western blot analysis of PLK1 in Jurkat, C6 lysates using PLK1 antibody.



Immunocytochemistry analysis of PLK1 (green) in HeLa using PLK1 antibody, and DAPI (blue)