

For Research Use Only

PLK1 Recombinant monoclonal antibody

Catalog Number: 83260-7-RR



Basic Information

Catalog Number: 83260-7-RR	GenBank Accession Number: BC002369	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5347	CloneNo.: 260930D4
Isotype: IgG	UNIPROT ID: P53350	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: AG28116	Full Name: polo-like kinase 1 (Drosophila)	
	Calculated MW: 68 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, mouse testis tissue, HEK-293 cells, MDA-MB-453 cells, U2OS cells

Background Information

PLK1(Polo-like kinase 1), also named as PLK and STPK13, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and CDC5/Polo subfamily. PLK1 is a Serine/threonine-protein kinase that performs several important functions throughout M phase of the cell cycle, including the regulation of centrosome maturation and spindle assembly, the removal of cohesins from chromosome arms, the inactivation of APC/C inhibitors, and the regulation of mitotic exit and cytokinesis. The localization of Polo changes during the cell cycle. In interphase, Polo shows a mostly diffuse cytoplasmic localization. Polo becomes concentrated on centrosomes from early prophase and appears on centromeres or kinetochores from late prophase, before nuclear envelope breakdown (NEB). After anaphase onset, Polo relocates to the central spindle and remains enriched at the midbody ring in late stages of cytokinesis (PMID: 29167465).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83260-7-RR (PLK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Mouse testis tissue lysates were subjected to SDS PAGE followed by western blot with 83260-7-RR (PLK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.