



PLK4 Monoclonal Antibody

Catalog No	YP-mAb-06135
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	PLK4 SAK STK18
Protein Name	Serine/threonine-protein kinase PLK4 (EC 2.7.11.21) (Polo-like kinase 4) (PLK-4) (Serine/threonine-protein kinase 18) (Serine/threonine-protein kinase Sak)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PLK4 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	106kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Nucleus, nucleolus . Cleavage furrow . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Component of the deuterosome, a structure that promotes de novo centriole amplification in multiciliated cells that can generate more than 100 centrioles. Associates with centrioles throughout the cell cycle. According to PubMed:16244668, it is not present at cleavage furrows.
Tissue Specificity	Blood,Lung,Testis,
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:May play a role in cell proliferation.,PTM:Tyrosine-phosphorylated by TEC.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CDC5/Polo subfamily.,similarity:Contains 1 POLO box domain.,similarity:Contains 1 protein kinase domain.,
Background	This gene encodes a member of the polo family of serine/threonine protein kinases. The protein localizes to centrioles, complex microtubule-based structures found in centrosomes, and regulates centriole duplication during the cell cycle. Three alternatively spliced transcript variants that encode different protein isoforms have been found for this gene. [provided by RefSeq, Jun 2010],

**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images