

Product Datasheet

Anti-PLK1 Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-PLK1 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	Western blot	1:500-1:1000	
	Immunohistochemistry	1:100-1:400	
	Immunofluorescence	1:100-1:400	
Molecular Wt.	67 kDa		
Cellular localization	Centromere, Chromosome, Cytoplasm, Cytoskeleton, Kinetochore, Nucleus.		
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	Plk (for polo-like kinase) encodes a Ser/Thr kinase that is closely gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and elevated levels are found in many different types of cancer. Plk expression is detectable in mitotically active tissues such as colon and placenta, as well as in tumors of various origins.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of PLK1.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

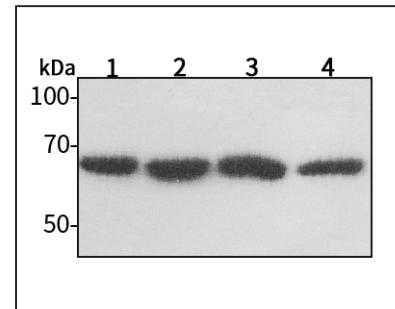
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Anti-PLK1 Rabbit pAb



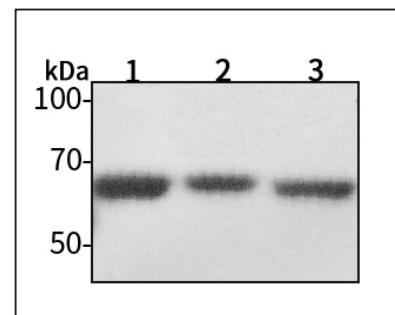
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Product Images



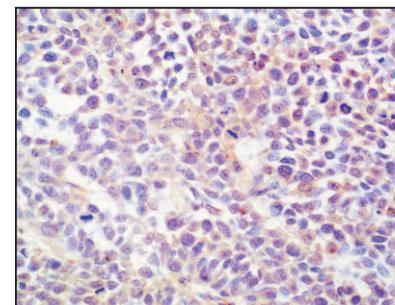
Western blot-Anti-PLK1 pAb

Lane 1: Human HEK-293 cell lysate 30µg
 Lane 2: Human A549 cell lysate 30µg
 Lane 3: Human HUVEC cell lysate 30µg
 Lane 4: Human SW480 cell lysate 30µg
 Separation gel: 8% polyacrylamide
 Electrophoresis: 100V, 4°C, 3h
 Transmembrane: 100V, 4°C, 1h
 Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
 Secondary antibody (WLA023a) : 1:5000-1:10000, 45min
 Detection: ECL, 30s-2min



Western blot-Anti-PLK1 pAb

Lane 1: Mouse liver tissue lysate 30µg
 Lane 2: Rat colon tissue lysate 30µg
 Lane 3: Rat stomach tissue lysate 30µg
 Separation gel: 8% polyacrylamide
 Electrophoresis: 100V, 4°C, 3h
 Transmembrane: 100V, 4°C, 1h
 Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
 Secondary antibody (WLA023a) : 1:5000-1:10000, 45min
 Detection: ECL, 30s-2min



Immunohistochemistry-Anti-PLK1 pAb

Sample: Human BGC-823 cell tumorigenic tissue
 Antigen retrieval: pH 9.0 Tris-EDTA buffer
 Primary antibody: 1:200, 4°C, overnight
 Secondary antibody-Biotin: 1:150, 37°C, 1h
 Streptavidin-HRP: 1:200, 37°C, 30min
 Visualization: DAB

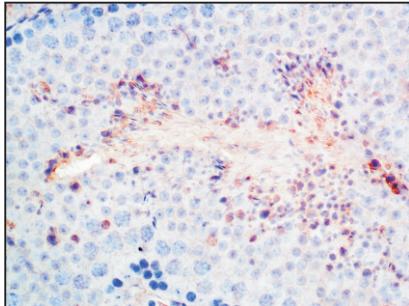
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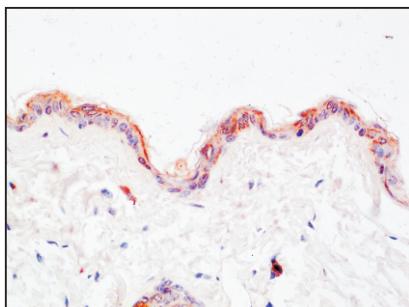
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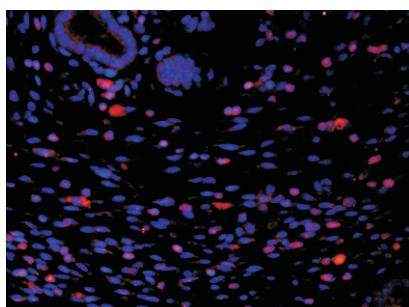
Immunohistochemistry-Anti-PLK1 pAb

Sample: Mouse testicle tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-PLK1 pAb

Sample: Rat skin tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunofluorescence-Anti-PLK1 pAb

Sample: Mouse uterus tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h