

Rabbit anti-Human PLK1 Polyclonal Antibody | anti-PLK1 antibody

Rabbit anti-PLK1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210843	Rabbit	Human	Immunocytochemistry, Immunoprecipitation, Western Blot

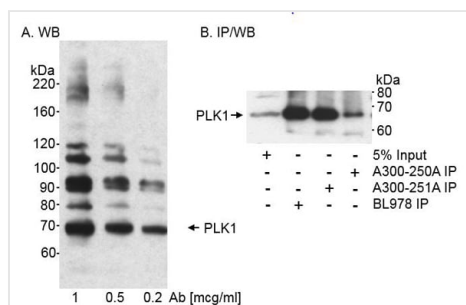
PRODUCT SYNONYMS

PLK1; Polyclonal Antibody; Rabbit anti-PLK1 Antibody; Affinity Purified; PLK; serine/threonine-protein kinase 13; STPK13; serine/threonine-protein kinase PLK1; cell cycle regulated protein kinase; PLK-1; Polo-like kinase 1; polo (Drosophila)-like kinase; Serine/threonine-protein kinase PLK1; polo like kinase 1; anti-PLK1 antibody

PRODUCT SPECIFICATIONS

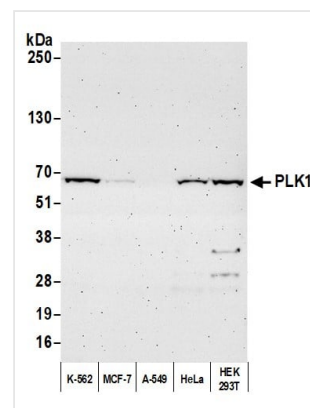
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PLK1 antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 325 and 375
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



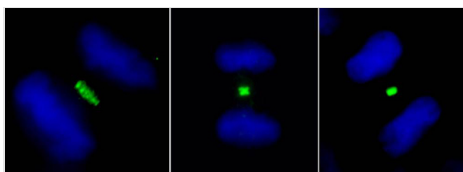
WB (Western Blot)

Detection of human PLK1 by western blot and immunoprecipitation. Samples: Whole cell lysate (50 ug for A; 600 ug for B) from HeLa cells. Antibodies: A. Affinity purified rabbit anti-PLK1 antibody AAA210843 used at the indicated concentrations for WB. B. Affinity purified rabbit anti-PLK1 antibodies AAA210843, and BL978 used at 2 ug/600 ug lysate for IP. Immunoprecipitated PLK1 was detected using BL978 at 0.5 ug/ml. Detection: Chemiluminescence with exposure times of less than 5 minutes.



WB (Western Blot)

Detection of human PLK1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PLK1 antibody AAA210843 (lot AAA210843-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



ICC (Immunocytochemistry)

Detection of human PLK1 by immunocytochemistry. Sample: Formaldehyde-fixed asynchronous HeLa cells. Antibody: Affinity purified rabbit anti-PLK1 (Cat. No.AAA210843 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: Green fluorescent goat anti-rabbit IgG highly cross-adsorbed Antibody FITC conjugated (Cat. No. used at a dilution of 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-PLK1 antibody	Polo-like kinase 1 (PLK1) activity is central to the progression through mitosis. PLK1 plays an essential role in spindle formation and chromosome segregation. Recent studies suggest that PLK1 is specifically involved in anaphase spindle elongation, Rho localization to the contractile ring and cytokinesis.
Product Categories/Family for anti-PLK1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21359873
NCBI GeneID	5347
NCBI Accession #	NP_005021.2
NCBI GenBank Nucleotide #	NM_005030.3
UniProt Accession #	P53350; Q15153; Q99746
Molecular Weight	68,255 Da
NCBI Official Full Name	serine/threonine-protein kinase PLK1
NCBI Official Synonym Full Names	polo-like kinase 1
NCBI Official Symbol	PLK1
NCBI Official Synonym Symbols	PLK; STPK13
NCBI Protein Information	serine/threonine-protein kinase PLK1; PLK-1; polo like kinase; polo (Drosophia)-like kinase; serine/threonine-protein kinase 13; cell cycle regulated protein kinase
UniProt Protein Name	Serine/threonine-protein kinase PLK1
UniProt Gene Name	PLK1
UniProt Synonym Gene Names	PLK; PLK-1; STPK13
UniProt Entry Name	PLK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/plk1-antibody-immunocytochemistry-immunoprecipitation-western-blot-elisa/210843>