

## Goat anti-PLK1 Antibody

<b>Item Number</b>	dAP-3352
<b>Target Molecule</b>	Principle Name: PLK1; Official Symbol: PLK1; All Names and Symbols: PLK1; polo-like kinase 1; PLK; STPK13; OTTHUMP00000122462; PLK-1; cell cycle regulated protein kinase; polo (Drosophia)-like kinase; polo like kinase; serine/threonine-protein kinase 13; serine/threonine-protein kinase PLK1; Accession Number (s): NP_005021.2; Human Gene ID(s): 5347; Non-Human GeneID(s):
<b>Immunogen</b>	TSGYIPARLPITC, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 65kDa band observed in lysates of cell line K562 (calculated MW of 68.3kDa according to NP_005021.2). Recommended concentration: 1-3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Johmura Y, Soung NK, Park JE, Yu LR, Zhou M, Bang JK, Kim BY, Veenstra TD, Erikson RL, Lee KS. Regulation of microtubule-based microtubule nucleation by mammalian polo-like kinase 1. Proc Natl Acad Sci U S A. 2011 Jul 12;108(28):11446-51..PMID: 21690413->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**