

Goat anti-polo-like kinase 5 (aa309-322) Antibody

Item Number	dAP-2837
Target Molecule	Principle Name: polo-like kinase 5 (aa309-322); Official Symbol: PLK5; All Names and Symbols: PLK5; polo-like kinase 5; PLK-5; PLK5P; SgK384ps; inactive serine/threonine-protein kinase PLK5; polo-like kinase 5, pseudogene; Accession Number (s): NP_001230008.1; Human Gene ID(s): 126520; Non-Human GenelD(s):
Immunogen	SLDVPRSHGCAPTT, is from internal region
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 37kDa band observed in Human Brain (Cerebellum and Cerebral Cortex) lysates (calculated MW of 36.3kDa according to NP_001230008.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): de Cárcer G, Escobar B, Higuero AM, García L, Ansón A, Pérez G, Mollejo M, Manning G, Meléndez B, Abad-Rodríguez J, Malumbres M. Plk5, a polo box domain-only protein with specific roles in neuron differentiation and glioblastoma suppression. Mol Cell Biol. 2011 Mar;31(6):1225-39..PMID: 21343332

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 end users! This product is sold for **Research Use Only**