



# Plk1 (phospho Ser137) rabbit pAb

Cat No.:ES6618

For research use only

## Overview

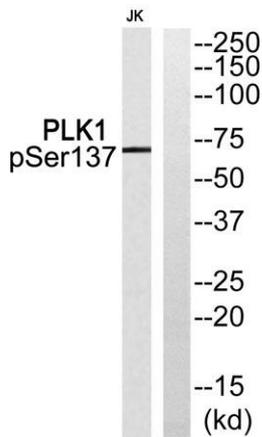
<b>Product Name</b>	Plk1 (phospho Ser137) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA;IHC
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	WB 1:500-2000; IF/ICC 1:50-200;ELISA 1:2000-20000;IHC-p 1:50-200
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PLK1 around the phosphorylation site of Ser137. AA range:103-152
<b>Specificity</b>	Phospho-Plk1 (S137) Polyclonal Antibody detects endogenous levels of Plk1 protein only when phosphorylated at S137.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Serine/threonine-protein kinase PLK1
<b>Gene Name</b>	PLK1
<b>Cellular localization</b>	Nucleus. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Midbody . localization at the centrosome starts at the G1/S transition (PubMed:24018379). During early st
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	68kD
<b>Human Gene ID</b>	5347
<b>Human Swiss-Prot Number</b>	P53350
<b>Alternative Names</b>	PLK1; PLK; Serine/threonine-protein kinase PLK1; Polo-like kinase 1; PLK-1; Serine/threonine-protein



## Background

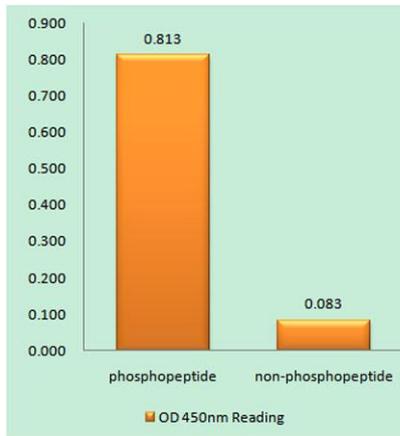
kinase 13; STPK13

The Ser/Thr protein kinase encoded by this gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and elevated levels are found in many different types of cancer. Depletion of this protein in cancer cells dramatically inhibited cell proliferation and induced apoptosis; hence, it is a target for cancer therapy. [provided by RefSeq, Sep 2015],

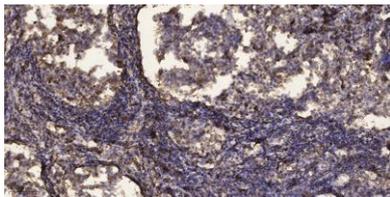


Western blot analysis of PLK1 (Phospho-Ser137) Antibody.

The lane on the right is blocked with the PLK1 (Phospho-Ser137) peptide.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PLK1 (Phospho-Ser137) Antibody



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).





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