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Datasheet for ABIN184701  
**anti-PLK4 antibody (N-Term)**

3 Images

Overview

Quantity:	100 µg
Target:	PLK4
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PLK4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Sak / STK18 / PLK4
Immunogen:	Peptide with sequence ATCIGEKIEDFKVGN, from the N Terminus of the protein sequence according to NP_055079.3.
Sequence:	ATCIGEKIED FKVGN
Isotype:	IgG
Predicted Reactivity:	Human, Dog, Cow
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

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Target:	PLK4
Alternative Name:	PLK4 ( <a href="#">PLK4 Products</a> )
Target Type:	Phage Protein
Background:	PLK4, Sak, polo-like kinase 4 (Drosophila), serine/threonine kinase 18, SAK, Snk Akin Kinase, polo-like kinase 4, protein-serine/threonine kinase, STK18, serine/threonine protein kinase SAK, MCCRP2, STK 18
Gene ID:	10733
NCBI Accession:	<a href="#">NP_055079</a> , <a href="#">NP_001177728</a>
Pathways:	<a href="#">M Phase</a>

## Application Details

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Application Notes:	DS WB Results: Approx 110 kDa band observed in Human Colon lysates (calculated MW of 109 kDa according to NP_055079.3). Recommended concentration: 1-3 µg/mL. Primary incubation was 1 hour. Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in the cytoplasm of A431 and HeLa cells. Recommended concentration: 10µg/ml. <b>Flow Cytometry:</b> Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.
Restrictions:	For Research Use only

## Handling

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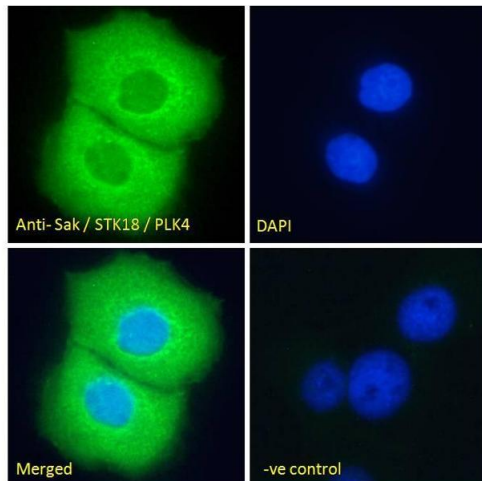
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.

## Handling

Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

## Images

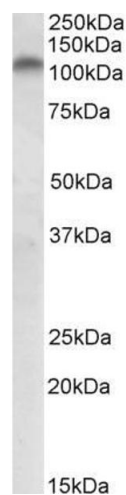


### Immunofluorescence

**Image 1.** ABIN184701 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



**Image 2.** ABIN184701 (0.1µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.



### Western Blotting

**Image 3.** ABIN184701 (2µg/ml) staining of Human Colon lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.