

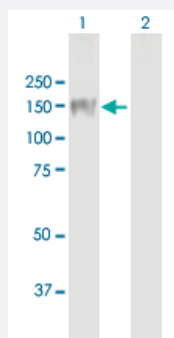
MaxPab®

PLK4 MaxPab mouse polyclonal antibody (B01)

Catalog # H00010733-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PLK4 expression in transfected 293T cell line ([H00010733-T01](#)) by PLK4 MaxPab polyclonal antibody.

Lane 1: PLK4 transfected lysate (106.7 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PLK4 protein.

Immunogen

PLK4 (NP_055079.3, 1 a.a. ~ 970 a.a) full-length human protein.

Sequence

MATCIGEKIEDFKVGNLLGKGSFAGVYRAESIHTGLEVAIKMIDKKAMYKAGMVQRVQNEVKIHCC
LKHPSILELYNYFEDSNVYLVLEMCHNGEMNRYLKNRVKPFSENEARHFMHQITGMLYLHSHGIL
HRDLTSLNLLLTRNMNIADFGLATQLKMPHEKHYTELCGTPNYSPEIATRSAGLESVDVWSLGCM
FYLLIGRPPFDTDVKNLTKVVLADYEMPSFLSIEAKDLIHLRRNPADRLSLSSVLDHFPMSR
NSSTKSKDLGTVEDSIDSGHATISTAITASSSTSISGSLFDKRRLIGQPLPNKMTVFPKNKSSTDFS
SSGDGNSFYTQWGNQETSNSGRGRVIQDAEERPHSRYLRRAYSSDRSGTSNSQSQAQTYTMER
CHSAEMLSVSKRSGGGENEERYSPDNNANIFNFFKEKTSSSSSGSFERPDNNQALS NHLCPGKT
PFPFADPTPQTETVQQWFGNLQINAHLRKTTEYDSISPNRDFQGHDPDLQKDTSKNAWTDTKVKK
NSDASDNAHSVKQNTMKYMTALHSKPEIIQQECVFGSDPLSEQSKTRGMEPPWGYQNRTLRSI
TSPLVAHRLKPIRQKTKKAVVSILDSEEVCELVEKEYASQEYVKEVLQISSDGNITITYPNGGRGFP
LADRPPSPDNI SRYSFDNLPEKYWRKYQYASRFVQLVRSKSPKITYFTRYAKCILMENSPGADFE
VWFYDGVKIHKTEDFIQVIEKTGKSYTLKSESEVNSLKKEEIKMYMDHANEGHRICLALESIISEEERK
TRSAPFFPIIGRKPGSTSSPKALSPPPSVDSNYPTRERASFNRMMHSAASPTQAPILNPSMVTN
EGLGLTTTASGTDISSNSLKDCLPKSAQLLKS FVKNVGWATQLTSGAVVWQFNDGSQLV VQAG
VSSISYTPNGQTTRYGENEKLDPYIKQLQLCLSSILLMFSNPTPNFH

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (73)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

Gene Info — PLK4

Entrez GeneID	10733
GeneBank Accession#	BC036023.1
Protein Accession#	NP_055079.3
Gene Name	PLK4
Gene Alias	SAK, STK18
Gene Description	polo-like kinase 4 (Drosophila)
Omim ID	605031
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the polo family of serine/threonine protein kinases. The protein localizes to centrioles, complex microtubule-based structures found in centrosomes, and regulates centriole duplication during the cell cycle. [provided by RefSeq]
Other Designations	Snk akin kinase polo-like kinase 4 serine/threonine kinase 18 serine/threonine protein kinase SAK

Publication Reference

- [A non-canonical function of Plk4 in centriolar satellite integrity and ciliogenesis through PCM1 phosphorylation.](#)

Hori A, Barnouin K, Snijders AP, Toda T.

EMBO Reports 2016 Mar; 17(3):326.

Application: IF, Human, U-2 OS cells

- [Centriolar satellites- and hMsd1/SSX2IP-dependent microtubule anchoring is critical for centriole assembly.](#)

Hori A, Peddie CJ, Collinson LM, Toda T.

Molecular Biology of the Cell 2015 Jun; 26(11):2005.

Application: IF, Human, HeLa cells

Disease

- [Kidney Failure](#)