.-online.com antibodies

Datasheet for ABIN7169161 anti-PLK2 antibody (AA 336-685)

Image



Overview

Quantity:	100 μL
Target:	PLK2
Binding Specificity:	AA 336-685
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLK2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase PLK2 protein (336-685AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	PLK2
Alternative Name:	PLK2 (PLK2 Products)
Background:	Background: Tumor suppressor serine/threonine-protein kinase involved in synaptic plasticity,
	centriole duplication and G1/S phase transition. Polo-like kinases act by binding and

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7169161 | 09/10/2023 | Copyright antibodies-online. All rights reserved. phosphorylating proteins are that already phosphorylated on a specific motif recognized by the POLO box domains. Phosphorylates CENPJ, NPM1, RAPGEF2, RASGRF1, SNCA, SIPA1L1 and SYNGAP1. Plays a key role in synaptic plasticity and memory by regulating the Ras and Rap protein signaling: required for overactivity-dependent spine remodeling by phosphorylating the Ras activator RASGRF1 and the Rap inhibitor SIPA1L1 leading to their degradation by the proteasome. Conversely, phosphorylates the Rap activator RAPGEF2 and the Ras inhibitor SYNGAP1, promoting their activity. Also regulates synaptic plasticity independently of kinase activity, via its interaction with NSF that disrupts the interaction between NSF and the GRIA2 subunit of AMPARs, leading to a rapid rundown of AMPAR-mediated current that occludes long term depression. Required for procentriole formation and centriole duplication by phosphorylating CENPJ and NPM1, respectively. Its induction by p53/TP53 suggests that it may participate in the mitotic checkpoint following stress. Aliases: hPlk2 antibody, hSNK antibody, PLK-2 antibody, Plk2 antibody, PLK2_HUMAN antibody, Polo like kinase 2 antibody, Polo-like kinase 2 antibody, Serine/threonine protein kinase PLK2

antibody, Serine/threonine protein kinase SNK antibody, Serine/threonine-protein kinase PLK2 antibody, Serine/threonine-protein kinase SNK antibody, Serum Induced Kinase antibody, Serum-inducible kinase antibody, SNK antibody

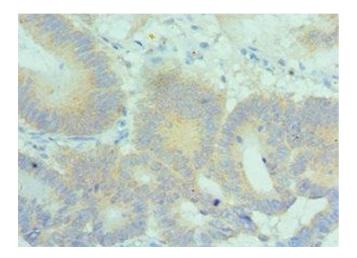
UniProt:

Q9NYY3

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN7169161 | 09/10/2023 | Copyright antibodies-online. All rights reserved.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7169161 at dilution of 1:100

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN7169161 | 09/10/2023 | Copyright antibodies-online. All rights reserved.