

The path to legendary discovery™

Product Data Sheet

Purified anti-APC1

Catalog # / Size:	610701 / 50 μl (5 Western blots) 610702 / 200 μl (20 Western blots)	
Clone:	Poly6107	220-
Isotype:	Rabbit IgG	
Immunogen:	Recombinant (partial), N-terminal	
Reactivity:	Human	
Preparation:	The antibody was purified by antigen-affinity chromatography.	
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.	97-
Storage:	Upon receipt, store frozen at -20° C.	

Applications:

Applications:	WB - Quality tested	
Recommended Usage:	Each lot of this antibody is quality control tested by Wester blotting, suggested working dilution(s): Use 10 μ I per 5 ml s buffer for each mini-gel. It is recommended that the reager optimal performance for each application.	n blotting. Western antibody dilution It be titrated for
Description:	: APC1 (anaphase-promoting complex subunit 1) is a meiotic checkpoint regulator that is a member of the E3 enzyme family. This protein contains Rpn1/2 repeats and has a molecular weight of approximately 216 kD. The APC1 protein is located in the nucleus during interphase, and at the centrosome during metaphase/anaphase. This protein comprises one subunit of the anaphase promoting complex including APC1-8, and other probable complex proteins APC9-11, Cdc26, Mnd2, Swm1. The APC1 protein functions as a probable scaffold for complex assembly, a multisubunit cell cycle ubiquitin ligase, and a regulator of sister chromatid separation by degrading securins. In addition, this protein functions in ubiquitin-dependent cyclin catabolism, metaphase/anaphase transition, and spindle elongation. The APC complex is inactivated by protein kinase A and is activated by CDC20 and Cdh1. The APC1 protein is phosphorylated by Cdk1-cyclin B and can also be ubiquitinated and targeted for degradation. The Poly6017 antibody has been shown to be useful for Western blotting of the human APC1 protein.	
Antigen References:	 Zachariae W, et al. 1999. Genes Dev. 13:2039. Jorgensen P, et al. 2001. Gene 262:51. Golan A, et al. 2002. J. Biol. Chem. 277:15552. Hall M, et al. 2003. J. Biol. Chem. 278:16698. 	
Related Products	: Product Purified anti-APC2 Purified anti-APC3 Purified anti-APC4 Purified anti-APC5 Purified anti-APC6 Purified anti-APC7 Purified anti-APC8 Purified anti-APC10 Purified anti-APC11	Clone Poly6108 Poly6109 Poly6110 Poly6111 Poly6112 Poly6113 Poly6115 Poly6116

HRP Donkey anti-rabbit IgG (minimal x-reactivity)



Jurkat nuclear extract was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-APC1 antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.

WB
WB, IF
WB
WB. IF
ELIŚA, IHC, WB

Application

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

Poly4064



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587