



APC10 Polyclonal Antibody

Catalog Number PA1-31765 Product data sheet

Details	
Size	100 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Туре	Antibody
Immunogen	synthetic peptide GADPKQLERTG, corresponding to amino acids 10-20 of Human Apc10.
Conjugate	Unconjugated
Form	Liquid
Concentration	1.5 mg/mL
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity	
Species reactivity	Human
Tested Applications	Dilution *
Immunohistochemistry (IHC)	1:250-1:1,000
Immunoprecipitation (IP)	1:100
Western Blot (WB)	1:500-1:1,500

^{*} Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate pegative and positive controls.

Product specific information

PA1-31765 detects APC10 from human samples.

Background/Target Information

Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC10 is a highly conserved component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. APC/C is responsible for degrading anaphase inhibitors, mitotic cyclins, and spindle-associated proteins ensuring that events of mitosis take place in proper sequence. The individual APC/C components mRNA and protein levels are expressed at approximately the same levels in most tissues and cell lines, suggesting that they perform their functions as part of a complex. It has been suggested that APC10 plays a role to regulate the binding of specific substrates to the APC/C complex, similar to that of coactivators.

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Product Images For APC10 Polyclonal Antibody

55.4kDa — 31kDa — 21.5kDa — 14.4kDa — 6.0kDa —

APC10 Antibody (PA1-31765) in WB

APC10 Polyclonal Antibody (Product # PA1-31765) was used at a 1:500 dilution to detect human APC10 in various cell extracts. This antibody clearly detects a 26 kDa band corresponding to human APC10 (predicted molecular weight is 21 kDa). All lanes contain 20 µg of lysate or extract as follows: lane 1, HeLa nuclear extract; lane 2, HeLa whole cell lysate; lane 3, A431 whole cell lysate; lane 4, Jurkat whole cell lysate; lane 5, 293 whole cell lysate. Primary antibody was reacted with the membrane at room temperature for 1 h. After subsequent washing, a 1:5,000 dilution of HRP conjµgated Gt-a-Rabbit IgG was used for visualization. Exposure time was 4 min.

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