

APC7 Polyclonal Antibody

Catalog NumberPA5-19424

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µL	Western Blot (WB)	1:500
Host/Isotope	Rabbit / IgG	Immunocytochemistry (ICC/IF)	10 µg/mL
Class	Polyclonal	* 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 negative and positive controls.	
Type	Antibody		
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human Apc7		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.2 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

For Western Blot, this antibody has non-specific bands at 39 kDa and 45 kDa.

Background/Target Information

Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC7 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. APC7 is required for proper protein ubiquitination function of APC/C and for the interaction of APC/C with various transcription coactivators.

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