

APC7 Polyclonal Antibody

Catalog NumberPA5-20948

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	An 18 amino acid peptide near the carboxy terminus of human APC7.	Immunohistochemistry (IHC)	20 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	1-2 µg/mL
Form	Liquid	* 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.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is rat kidney tissue lysate. PA5-20948 can be used with blocking peptide PEP-1062.

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.

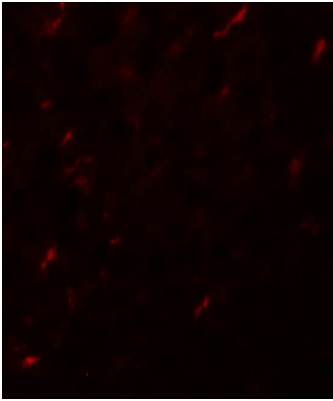
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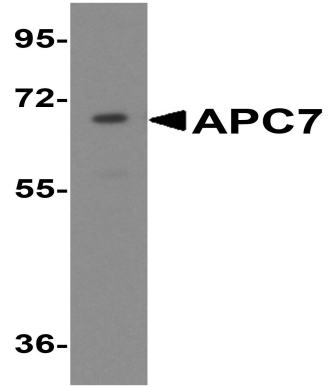
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Product Images For APC7 Polyclonal Antibody



APC7 Antibody (PA5-20948) in IHC
Immunofluorescence of APC7 in rat kidney tissue with APC7 Polyclonal Antibody (Product # PA5-20948) at 20 µg/mL.



APC7 Antibody (PA5-20948) in WB
Western Blot analysis of APC7 in HeLa cell lysate with APC7 Polyclonal Antibody (Product # PA5-20948) at 1 µg/mL.

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