

Product datasheet for **TA319926**

Apc7 (ANAPC7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	APC7 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human APC7.
Formulation:	APC7 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	APC7 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	anaphase promoting complex subunit 7
Database Link:	NP_057322 Entrez Gene 56317 Mouse Entrez Gene 304490 Rat Entrez Gene 51434 Human Q9UJX3



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Background:

APC7 Antibody: 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.

Synonyms:

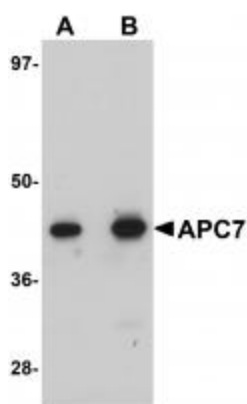
APC7

Protein Families:

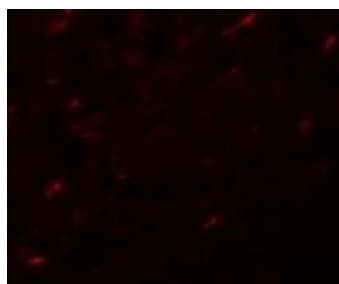
Druggable Genome

Protein Pathways:

Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Product images:

Western blot analysis of APC7 in rat kidney tissue lysate with APC7 antibody at (A) 1 and (B) 2 ug/mL.



Immunofluorescence of APC7 in rat kidney tissue with APC7 antibody at 20 ug/mL.