

Product datasheet for **TA319925**

Apc5 (ANAPC5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	APC5 antibody was raised against a 17 amino acid synthetic peptide near the center of human APC5.
Formulation:	APC5 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	APC5 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 5
Database Link:	NP_057321 Entrez Gene 59008 Mouse Entrez Gene 288671 Rat Entrez Gene 51433 Human Q9UJX4



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Background:

APC5 Antibody: Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC5 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. While little is known of APC5, it is thought that APC5 associates with other APC/C components APC1, APC4, and CDC23 interdependently, such that loss of any one subunit reduces binding between the remaining three.

Synonyms:

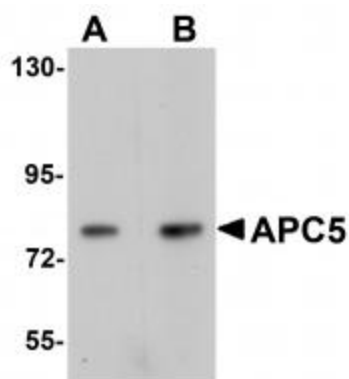
APC5

Protein Families:

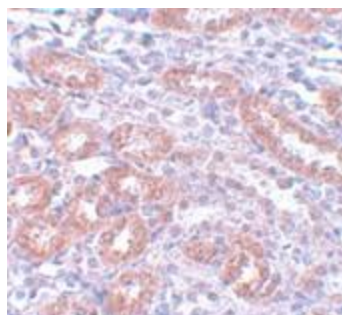
Druggable Genome

Protein Pathways:

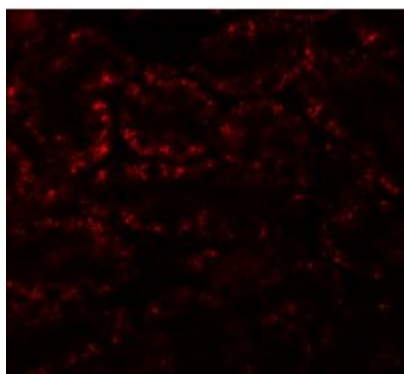
Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Product images:

Western blot analysis of APC5 in human kidney tissue lysate with APC5 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of APC5 in rat kidney tissue with APC5 antibody at 5 ug/mL.



Immunofluorescence of APC5 in rat kidney tissue with APC5 antibody at 20 ug/mL.