

Product datasheet for **TA319874**

ANAPC13 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	APC13 antibody was raised against a 17 amino acid synthetic peptide near the center of human APC13. The immunogen is located within the last 50 amino acids of APC13.
Formulation:	APC13 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	APC13 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 13
Database Link:	NP_056206 Entrez Gene 69010 Mouse Entrez Gene 685029 Rat Entrez Gene 25847 Human Q9BS18



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Background:

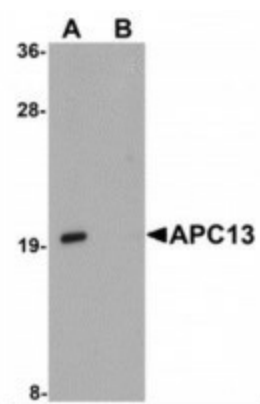
APC13 Antibody: Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC13 is a highly conserved component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase 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. APC13 promotes the stable association of APC3/Cdc27 and APC6/Cdc16 with the APC/C.

Synonyms:

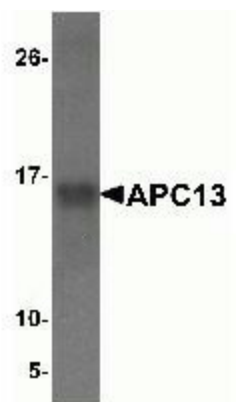
APC13; SWM1

Protein Pathways:

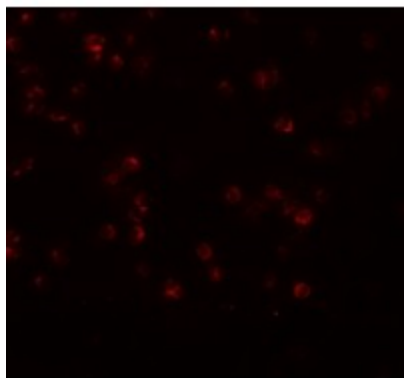
Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Product images:


Western blot analysis of APC13 in Jurkat cell tissue lysate with APC13 antibody at 1ug/ml in (A) the absence and (B) the presence of blocking peptide.



Western blot analysis with 25ng of recombinant APC13 protein with APC13 antibody at 1ug/ml.



Immunofluorescence of APC13 in Jurkat cells with APC13 antibody at 20ug/ml.