

## Product datasheet for **TA319757**

### CDC23 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	APC8 antibody was raised against a 17 amino acid synthetic peptide near the center of human APC8.
Formulation:	APC8 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	APC8 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:	cell division cycle 23
Database Link:	<a href="#">NP_004652</a> <a href="#">Entrez Gene 52563 Mouse</a> <a href="#">Entrez Gene 291689 Rat</a> <a href="#">Entrez Gene 8697 Human</a> <a href="#">Q9UJX2</a>



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**Background:**

APC8 Antibody: Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC8 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. In *Drosophila*, silencing of APC8 results in developmental delay and pupal lethality with elevated levels of apoptosis, high mitotic index, and delayed or blocked mitosis.

**Synonyms:**

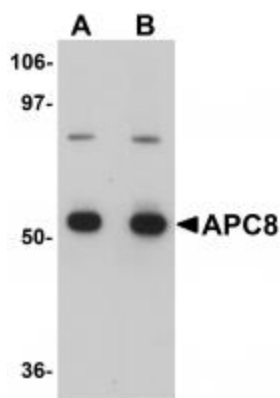
ANAPC8; APC8; CUT23

**Protein Families:**

Druggable Genome

**Protein Pathways:**

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

**Product images:**

Western blot analysis of APC8 in K562 cell lysate with APC8 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of APC8 in K562 cells with APC8 antibody at 5 ug/mL.