

## Product datasheet for **TA319814**

### Apc10 (ANAPC10) 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:	APC10 antibody was raised against a 16 amino acid synthetic peptide near the center of human APC10.
Formulation:	APC10 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	APC10 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 10
Database Link:	<a href="#">NP_055700</a> <a href="#">Entrez Gene 68999 Mouse</a> <a href="#">Entrez Gene 361389 Rat</a> <a href="#">Entrez Gene 10393 Human</a> <a href="#">Q9UM13</a>



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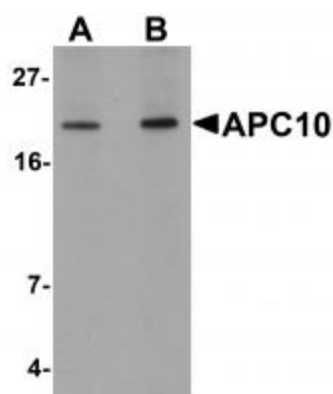
**Background:** APC10 Antibody: Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC10 is a highly conserved component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 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. It has been suggested that APC10 plays a role to regulate the binding of specific substrates to the APC/C complex, similar to that of coactivators.

**Synonyms:** APC10; DOC1

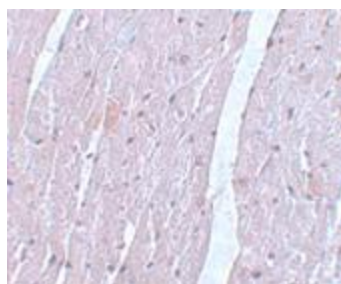
**Protein Families:** Druggable Genome

**Protein Pathways:** Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

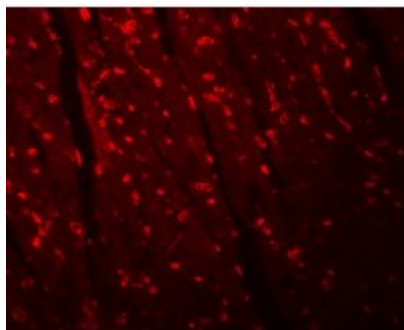
### Product images:



Western blot analysis of APC10 in mouse heart tissue lysate with APC10 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of APC10 in mouse heart tissue with APC10 antibody at 5 ug/mL.



Immunofluorescence of APC10 in mouse heart tissue with APC10 antibody at 20 ug/mL.