

## Product datasheet for **TA319904**

### **Apc4 (ANAPC4) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB: 1 - 2 ug/mL, ICC: 5 ug/mL
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	APC4 antibody was raised against a 14 amino acid synthetic peptide near the amino terminus of human APC4.
<b>Formulation:</b>	APC4 Antibody is supplied in PBS containing 0.02% sodium azide.
<b>Concentration:</b>	1ug/ul
<b>Purification:</b>	APC4 Antibody is affinity chromatography purified via peptide column.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	anaphase promoting complex subunit 4
<b>Database Link:</b>	<a href="#">NP_037499</a> <a href="#">Entrez Gene 52206 Mouse</a> <a href="#">Entrez Gene 305420 Rat</a> <a href="#">Entrez Gene 29945 Human</a> <a href="#">Q9UJX5</a>



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**Background:**

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

**Synonyms:**

APC4

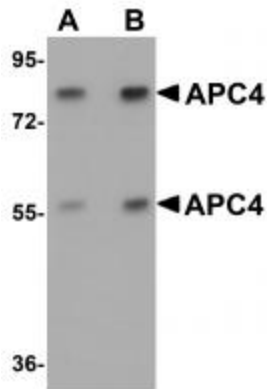
**Protein Families:**

Druggable Genome

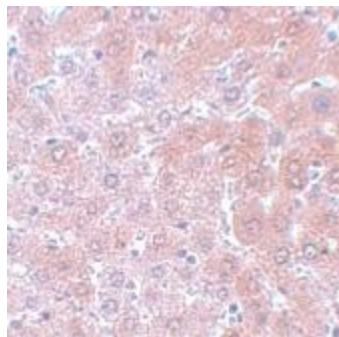
**Protein Pathways:**

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

**Product images:**



Western blot analysis of APC4 in mouse liver tissue lysate with APC4 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of APC4 in rat liver tissue with APC4 antibody at 5 ug/mL.