

**KNTC1 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10101****Specification**

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**KNTC1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P50748</a>
Other Accession	<a href="#">P50748</a> , <a href="#">NP_055523</a> , <a href="#">NM_014708</a>
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	251 kDa KDa

**KNTC1 antibody - N-terminal region - Additional Information****Gene ID** 9735**Alias Symbol** **FLJ36151, KIAA0166, ROD****Other Names**

Kinetochore-associated protein 1, Rough deal homolog, HsROD, Rod, hRod, KNTC1, KIAA0166

**Target/Specificity**

This gene encodes a protein that is one of many involved in mechanisms to ensure proper chromosome segregation during cell division. Experimental evidence indicated that the encoded protein functioned in a similar manner to that of the *Drosophila* rough de

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-KNTC1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

KNTC1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**KNTC1 antibody - N-terminal region - Protein Information****Name** KNTC1**Synonyms** KIAA0166, ROD {ECO:0000303|PubMed:284415}**Function**

Essential component of the mitotic checkpoint, which prevents cells from prematurely exiting mitosis. Required for the assembly of the dynein-dynactin and MAD1-MAD2 complexes onto kinetochores (PubMed:<a href="http://www.uniprot.org/citations/11146660" target="\_blank">11146660</a>, PubMed:<a href="http://www.uniprot.org/citations/11590237" target="\_blank">11590237</a>, PubMed:<a href="http://www.uniprot.org/citations/15824131" target="\_blank">15824131</a>). Its function related to the spindle assembly machinery is proposed to depend on its association in the mitotic RZZ complex.

#### Cellular Location

Cytoplasm. Nucleus. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle. Note=Dynamic pattern of localization during the cell cycle. At interphase, uniformly distributed throughout the cytoplasm and nucleus. By prophase and until late stages of prometaphase, a fraction of the total pool is concentrated at kinetochores. By metaphase, detected at kinetochores, along spindle fibers and most prominently at the poles. By late anaphase until the end of telophase, no longer detectable on kinetochores or along spindle fibers, but still present at the spindle poles

#### Tissue Location

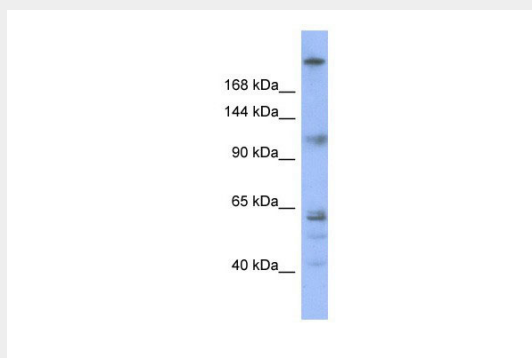
High expression in testis.

### KNTC1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### KNTC1 antibody - N-terminal region - Images



KNTC1 antibody - N-terminal region (AI10101) in Human OVCAR-3 cells using Western Blot  
WB Suggested Anti-KNTC1 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:62500

Positive Control: OVCAR-3 cell lysate

KNTC1 is supported by BioGPS gene expression data to be expressed in OVCAR3

### KNTC1 antibody - N-terminal region - Background

This is a rabbit polyclonal antibody against KNTC1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ([sales@abgent.com](mailto:sales@abgent.com)).