

**Ttbk2 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10704****Specification**

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**Ttbk2 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q3UVR3</a>
Other Accession	<a href="#">NM_001024856</a> , <a href="#">NP_001020027</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	137kDa KDa

**Ttbk2 antibody - N-terminal region - Additional Information****Gene ID** 140810**Alias Symbol** 2610507N02Rik, AI326283, B930008N24Rik, KIAA0847, TTK, Ttbk, Ttbk1, mKIAA0847**Other Names**

Tau-tubulin kinase 2, 2.7.11.1, Protein bartleby, Ttbk2, Bby, Kiaa0847, Ttbk1

**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-Ttbk2 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**

Ttbk2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Ttbk2 antibody - N-terminal region - Protein Information****Name** Ttbk2**Synonyms** Bby, Kiaa0847, Ttbk1**Function**

Serine/threonine kinase that acts as a key regulator of ciliogenesis: controls the initiation of ciliogenesis by binding to the distal end of the basal body and promoting the removal of CCP110, which caps the mother centriole, leading to the recruitment of IFT proteins, which build the ciliary

axoneme. Has some substrate preference for proteins that are already phosphorylated on a Tyr residue at the +2 position relative to the phosphorylation site. Able to phosphorylate tau on serines in vitro (PubMed:<a href="http://www.uniprot.org/citations/23141541" target="\_blank">23141541</a>). Phosphorylates MPHOSPH9 which promotes its ubiquitination and proteasomal degradation, loss of MPHOSPH9 facilitates the removal of the CP110-CEP97 complex (a negative regulator of ciliogenesis) from the mother centrioles, promoting the initiation of ciliogenesis (By similarity).

#### Cellular Location

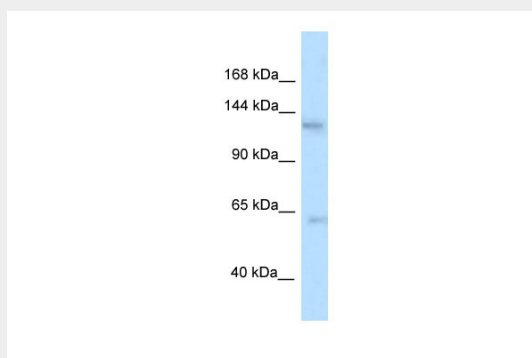
Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytosol Nucleus. Note=Localizes to the transition zone in primary cilia in response to cell cycle signals that promote ciliogenesis. May also be present in cytosol and, at lower level in the nucleus

#### Ttbk2 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](#)

#### Ttbk2 antibody - N-terminal region - Images



WB Suggested Anti-Ttbk2 Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Thymus