

**KIF2C Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14043a****Specification**

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**KIF2C Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O99661</a>
Other Accession	<a href="#">O95LP1</a> , <a href="#">NP_006836.2</a>
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	81313
Antigen Region	180-208

**KIF2C Antibody (N-term) - Additional Information****Gene ID** 11004**Other Names**

Kinesin-like protein KIF2C, Kinesin-like protein 6, Mitotic centromere-associated kinesin, MCAK, KIF2C, KNSL6

**Target/Specificity**

This KIF2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-208 amino acids from the N-terminal region of human KIF2C.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

KIF2C Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**KIF2C Antibody (N-term) - Protein Information****Name** KIF2C

## Synonyms KNSL6

**Function** In complex with KIF18B, constitutes the major microtubule plus-end depolymerizing activity in mitotic cells (PubMed:[21820309](#)). Regulates the turnover of microtubules at the kinetochore and functions in chromosome segregation during mitosis (PubMed:[19060894](#)). Plays a role in chromosome congression and is required for the lateral to end-on conversion of the chromosome-microtubule attachment (PubMed:[23891108](#)).

## Cellular Location

Cytoplasm, cytoskeleton. Nucleus {ECO:0000250|UniProtKB:P70096} Chromosome, centromere. Chromosome, centromere, kinetochore. Note=Associates with the microtubule network at the growing distal tip (the plus-end) of microtubules, probably through interaction with MTUS2/TIP150 and MAPRE1 (By similarity). Association with microtubule plus ends is also mediated by interaction with KIF18B. Centromeric localization requires the presence of BUB1 and SGO2. {ECO:0000250|UniProtKB:P70096, ECO:0000269|PubMed:17485487, ECO:0000269|PubMed:21820309}

## Tissue Location

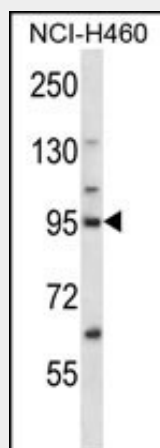
Expressed at high levels in thymus and testis, at low levels in small intestine, the mucosal lining of colon, and placenta, and at very low levels in spleen and ovary; expression is not detected in prostate, peripheral blood Leukocytes, heart, brain, lung, liver, skeletal muscle, kidney or pancreas. Isoform 2 is testis- specific.

## KIF2C Antibody (N-term) - 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](#)

## KIF2C Antibody (N-term) - Images



KIF2C Antibody (N-term) (Cat. #AP14043a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the KIF2C antibody detected the KIF2C protein (arrow).

**KIF2C Antibody (N-term) - Background**

The protein encoded by this gene is a member of kinesin-like protein family. Proteins of this family are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. This protein is important for anaphase chromosome segregation and may be required to coordinate the onset of sister centromere separation.

**KIF2C Antibody (N-term) - References**

Tanno, Y., et al. Genes Dev. 24(19):2169-2179(2010)  
Gnjatic, S., et al. Int. J. Cancer 127(2):381-393(2010)  
Sanhaji, M., et al. Mol. Cell. Biol. 30(11):2594-2607(2010)  
Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press :  
Kollu, S., et al. Curr. Biol. 19(24):2108-2113(2009)