

MCAK Rabbit mAb
Catalog # AP76581**Specification**

MCAK Rabbit mAb - Product Information

Application	WB, ICC
Primary Accession	Q99661
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	81313

MCAK Rabbit mAb - Additional Information**Gene ID** 11004**Other Names**
KIF2C**Dilution**
WB~~1/500-1/1000
ICC~~N/A**Format**
Liquid**MCAK Rabbit mAb - 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.

MCAK Rabbit mAb - 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](#)

MCAK Rabbit mAb - Images



