

Product datasheet

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ARG59785 anti-KIF2C / MCAK antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes KIF2C / MCAK

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name KIF2C / MCAK

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-190 of Human KIF2C (NP_006836.2).

Conjugation Un-conjugated

Alternate Names Mitotic centromere-associated kinesin; MCAK; Kinesin-like protein KIF2C; KNSL6; Kinesin-like protein 6;

CT139

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------------|
| | ICC/IF | 1:50 - 1:200 |
| | IHC-P | 1:50 - 1:200 |
| | WB | 1:500 - 1:2000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | OVCAR-3 | |
| Observed Size | 95 kDa | |
| | | |

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol KIF2C

Gene Full Name kinesin family member 2C

Background This gene encodes a kinesin-like protein that functions as a microtubule-dependent molecular motor.

The encoded protein can depolymerize microtubules at the plus end, thereby promoting mitotic chromosome segregation. Alternative splicing results in multiple transcript variants. [provided by

RefSeq, Jul 2014]

Function In complex with KIF18B, constitutes the major microtubule plus-end depolymerizing activity in mitotic

cells. Regulates the turnover of microtubules at the kinetochore and functions in chromosome

segregation during mitosis. [UniProt]

Calculated Mw 81 kDa

PTM Phosphorylation by AURKB, regulates association with centromeres and kinetochores and the

microtubule depolymerization activity.

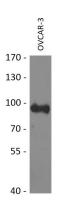
Ubiquitinated. [UniProt]

Cellular Localization Cytoplasm, cytoskeleton. Nucleus. 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. [UniProt]

Images



ARG59785 anti-KIF2C / MCAK antibody WB image

Western blot: 25 μg of OVCAR-3 cell lysate stained with ARG59785 anti-KIF2C / MCAK antibody at 1:1000 dilution.