

KIF23 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14871c**Specification**

KIF23 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q02241](#)

KIF23 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9493

Other Names

Kinesin-like protein KIF23, Kinesin-like protein 5, Mitotic kinesin-like protein 1, KIF23, KNSL5, MKLP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KIF23 Antibody (Center) Blocking Peptide - Protein Information

Name KIF23

Synonyms KNSL5, MKLP1

Function

Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Essential for cytokinesis in Rho-mediated signaling. Required for the localization of ECT2 to the central spindle. Plus-end-directed motor enzyme that moves antiparallel microtubules in vitro.

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, spindle. Midbody, Midbody ring. Note=Localizes to the interzone of mitotic spindles. Detected at the midbody during later stages of mitotic cytokinesis

Tissue Location

Widely expressed..

KIF23 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KIF23 Antibody (Center) Blocking Peptide - Images

KIF23 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a member of kinesin-like protein family. This family includes microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. This protein has been shown to cross-bridge antiparallel microtubules and drive microtubule movement in vitro. Alternate splicing of this gene results in two transcript variants encoding two different isoforms.

KIF23 Antibody (Center) Blocking Peptide - References

Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press : Douglas, M.E., et al. Curr. Biol. 20(10):927-933(2010) Seguin, L., et al. Mol. Cell. Biol. 29(2):570-581(2009) Pohl, C., et al. Cell 132(5):832-845(2008) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :