

CEP72 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16441c**Specification**

CEP72 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9P209](#)**CEP72 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55722**Other Names**

Centrosomal protein of 72 kDa, Cep72, CEP72, KIAA1519

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.

CEP72 Antibody (Center) Blocking Peptide - Protein Information**Name** CEP72**Synonyms** KIAA1519**Function**

Involved in the recruitment of key centrosomal proteins to the centrosome. Provides centrosomal microtubule-nucleation activity on the gamma-tubulin ring complexes (gamma-TuRCs) and has critical roles in forming a focused bipolar spindle, which is needed for proper tension generation between sister chromatids. Required for localization of KIZ, AKAP9 and gamma-tubulin ring complexes (gamma-TuRCs) (PubMed:19536135). Involved in centriole duplication. Required for CDK5RAP22, CEP152, WDR62 and CEP63 centrosomal localization and promotes the centrosomal localization of CDK2 (PubMed:26297806).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Note=Localizes to the centrosome and centrosome-surrounding particles throughout the cell cycle. These particles disappear after microtubules are depolymerized using nocodazole, suggesting that CEP72-associating particles localize in a microtubule- dependent manner

CEP72 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CEP72 Antibody (Center) Blocking Peptide - Images

CEP72 Antibody (Center) Blocking Peptide - Background

CEP72 is a member of the leucine-rich-repeat (LRR) superfamily of proteins. The protein is localized to the centrosome, a non-membraneous organelle that functions as the major microtubule-organizing center in animal cells.

CEP72 Antibody (Center) Blocking Peptide - References

McGovern, D.P., et al. Nat. Genet. 42(4):332-337(2010) Briggs, F.B., et al. Genes Immun. 11(3):199-208(2010) Oshimori, N., et al. EMBO J. 28(14):2066-2076(2009) Xin, X., et al. Genome Res. 19(7):1262-1269(2009) Olsen, J.V., et al. Cell 127(3):635-648(2006)