

C19orf21 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP4851a**Specification**

C19orf21 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8IVT2](#)**C19orf21 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 126353**Other Names**

Mitotic interactor and substrate of PLK1, Mitotic spindle positioning protein, MISP, C19orf21

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.

C19orf21 Antibody (N-term) Blocking Peptide - Protein Information**Name** MISP ([HGNC:27000](#))**Function**

Plays a role in mitotic spindle orientation and mitotic progression. Regulates the distribution of dynactin at the cell cortex in a PLK1-dependent manner, thus stabilizing cortical and astral microtubule attachments required for proper mitotic spindle positioning. May link microtubules to the actin cytoskeleton and focal adhesions. May be required for directed cell migration and centrosome orientation. May also be necessary for proper stacking of the Golgi apparatus.

Cellular Location

Cell junction, focal adhesion. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex.

Note=Predominantly localizes to cortical actin structures during interphase and mitosis. Present in retraction fibers, which are formed at former adhesion sites during mitosis, and at spicular membrane protrusions in re-attaching cytokinetic cells. Partially colocalizes with cytoplasmic F-actin. Not detected at microtubules at interphase, nor at spindle during mitosis

C19orf21 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

C19orf21 Antibody (N-term) Blocking Peptide - Images

C19orf21 Antibody (N-term) Blocking Peptide - Background

The exact function of C19orf21 remains unknown.

C19orf21 Antibody (N-term) Blocking Peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)Kim, J.E., et al. J. Proteome Res. 4(4):1339-1346(2005)