

MCPH1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14216a**Specification**

MCPH1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8NEM0](#)**MCPH1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 79648**Other Names**

Microcephalin, MCPH1

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.

MCPH1 Antibody (N-term) Blocking Peptide - Protein Information**Name** MCPH1 ([HGNC:6954](#))**Function**

Implicated in chromosome condensation and DNA damage induced cellular responses. May play a role in neurogenesis and regulation of the size of the cerebral cortex.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

Tissue Location

Expressed in fetal brain, liver and kidney.

MCPH1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MCPH1 Antibody (N-term) Blocking Peptide - Images

MCPH1 Antibody (N-term) Blocking Peptide - Background

This gene encodes a DNA damage response protein. The encoded protein may play a role in G2/M checkpoint arrest via maintenance of inhibitory phosphorylation of cyclin-dependent kinase 1. Mutations in this gene have been associated with primary autosomal recessive microcephaly 1 and premature chromosome condensation syndrome. Alternatively spliced transcript variants have been described.

MCPH1 Antibody (N-term) Blocking Peptide - References

Wang, Y., et al. J. Hum. Genet. 55(8):490-494(2010) Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press :Wang, Y.Q., et al. Hum. Mol. Genet. 13(11):1131-1137(2004)