

MCPH1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14216a**Specification**

MCPH1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8NEM0
Other Accession	Q5IFK1 , NP_078872.2 , NP_001166045.1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	92849
Antigen Region	104-133

MCPH1 Antibody (N-term) - Additional Information**Gene ID** 79648**Other Names**

Microcephalin, MCPH1

Target/Specificity

This MCPH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-133 amino acids from the N-terminal region of human MCPH1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MCPH1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MCPH1 Antibody (N-term) - 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

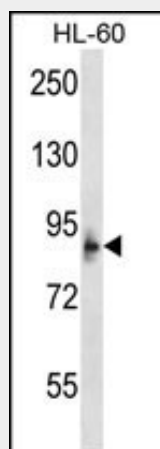
Expressed in fetal brain, liver and kidney.

MCPH1 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MCPH1 Antibody (N-term) - Images



MCPH1 Antibody (N-term) (Cat. #AP14216a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the MCPH1 antibody detected the MCPH1 protein (arrow).

MCPH1 Antibody (N-term) - 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) - 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)