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**Research Use Only. Not
for diagnostic or
therapeutic use.**

Storage: Aliquot and store at
-20°C. Minimize freezing and
thawing.

Product: EB08048 – Goat anti-Microcephalin / Mcph1 antibody

Target Protein

Principal Names: MCPH1; microcephaly, primary autosomal recessive 1; BRIT1;
FLJ12847; MC; BRCT-repeat inhibitor of TERT expression 1; microcephalin

Official Gene Symbol: MCPH1

Accession Number(s): NP_078872.2

Human Gene ID(s): 79648

Non-Human GeneID(s): 244329 (mouse);

Immunogen

Peptide with sequence C-KEKRENLSPTSSQ, from the internal region of the protein
sequence according to NP_078872.2

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen
affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium
azide, pH7.3 with 0.5% bovine serum albumin.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32,000. Western Blot: Approx
90kDa band observed in lysates of NIH3T3 (calculated MW of 92.8kDa according to
Human NP_078872.2 and 90.4kDa according to Mouse NP_775281.2).
Recommended concentration: 0.1-0.3µg/ml.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog

Background Reference

Chaplet M, Rai R, Jackson-Bernitsas D, Li K, Lin SY.
BRIT1/MCPH1: a guardian of genome and an enemy of tumors.
Cell Cycle. 2006 Nov;5(22):2579-83. Epub 2006 Nov 15. Review.
PMID: 17172830



EB08048 (0.1 µg/ml) staining of NIH3T3 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.