

**Microcephalin (F131) polyclonal antibody**

Catalog: BS9224

Host: Rabbit

Reactivity: Human, Mouse

**BackGround:**

Microcephalin (MCPH1, BRCT-repeat inhibitor of TERT expression 1, BRIT1) modulates brain size and has been proliferating under strong positive selection for several thousand years, although the nature of the positive selection is poorly understood. Human Microcephalin contains three BRCA1 Cterminal (BRCT) domains and shares 57% identity with its mouse ortholog, the most conserved regions being BRCT domains where there is 80% identity. Pre-dominant expression of human Microcephalin is observed in fetal brain, liver and kidney tissues and is expressed during neurogenesis in mice. Microcephalin displays significantly higher rates of protein evolution in primates than in rodents; this trend is most noticeable for the subset of genes associated with nervous system development.

**Product:**

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

**Molecular Weight:**

~ 95 kDa

**Swiss-Prot:**

Q8NEM0

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB: 1:500~1:1000

IHC: 1:50~1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

Microcephalin (F131) polyclonal antibody detects endogenous levels of Microcephalin protein.

**DATA:****Note:**

For research use only, not for use in diagnostic procedure.

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