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Anti-Microcephalin Antibody

Catalog # AP51933

Product Information

Application	WB, IHC
Primary Accession	Q8NEM0
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92849

Additional Information

Gene ID	79648
Other Names	Microcephalin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Microcephalin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

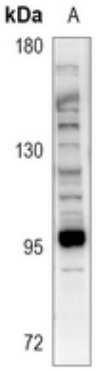
Name	MCPH1 (HGNC:6954)
Function	Implicated in chromosome condensation and DNA damage induced cellular responses. May play a role in neurogenesis and regulation of the size of the cerebral cortex.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Tissue Location	Expressed in fetal brain, liver and kidney.

References

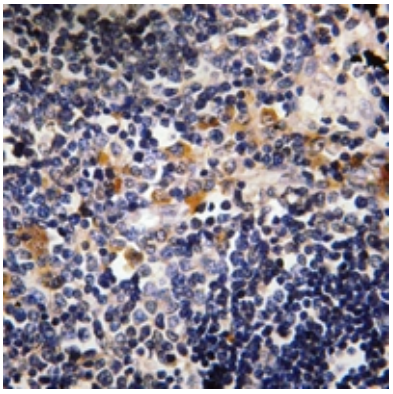
Barry C.,et al.Patent number WO0114550, 01-MAR-2001.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 439:331-335(2006).
Lin S.-Y.,et al.Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.

Jackson A.P.,et al.Am. J. Hum. Genet. 71:136-142(2002).

Images



Western blot analysis of Microcephalin expression in U87MG (A) whole cell lysates. (Predicted band size: 92 kD; Observed band size: 95 kD)



Immunohistochemical analysis of Microcephalin staining in human thymus gland formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.