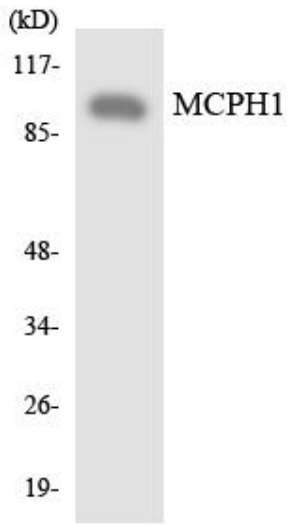
Microcephalin Polyclonal Antibody

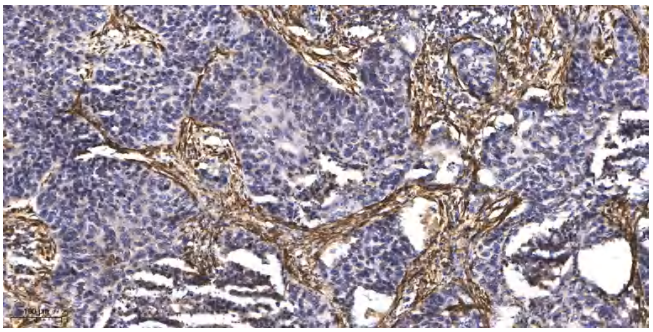
Catalog No	YP-Ab-01869
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	MCPH1
Protein Name	Microcephalin
Immunogen	The antiserum was produced against synthesized peptide derived from human MCPH1. AA range:91-140
Specificity	Microcephalin Polyclonal Antibody detects endogenous levels of Microcephalin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MCPH1; Microcephalin
Observed Band	93kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome .
Tissue Specificity	Expressed in fetal brain, liver and kidney.
Function	disease:Defects in MCPH1 are a cause of premature chromosome condensation with microcephaly and mental retardation (PCC syndrome) [MIM:606858]. PCC syndrome is a disorder of microcephaly, short stature and misregulated chromosome condensation. Patients with this condition have a high number (10%-15%) of prophase-like cells in routine cytogenetic preparations and have poor-quality metaphase G-banding.,disease:Defects in MCPH1 are the cause of microcephaly primary type 1 (MCPH1) [MIM:251200]; also known as true microcephaly or microcephaly vera. Microcephaly is defined as a head circumference more than 3 standard deviations below the age-related mean. Brain weight is markedly reduced and the cerebral cortex is disproportionately small. Despite this marked reduction in size, the gyral pattern is relatively well preserved, with no major abnormality in cortical architecture. Primary microceph
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. [provided by RefSeq, Feb 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of the lysates from HT-29 cells using MCPH1 antibody.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).