



# CENPC Monoclonal Antibody

Catalog No	BYmab-05179
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CENPC1 CENPC ICEN7
Protein Name	Centromere protein C 1 (CENP-C 1) (Centromere autoantigen C) (Interphase centromere complex protein 7)
Immunogen	Synthesized peptide derived from human protein . at AA range: 160-240
Specificity	CENPC Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	103kD
Cell Pathway	Nucleus . Chromosome, centromere, kinetochore . Chromosome, centromere . Localizes exclusively in the kinetochore domain of centromeres. .
Tissue Specificity	Blood,Epithelium,Placenta,Testis,
Function	disease:Antibodies against CENPC are present in sera from patients with autoimmune diseases that developed autoantibodies against centrosomal proteins.,function:Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres.,subcellular location:Localizes exclusively in the kinetochore domain of centromeres.,subunit:Component of the CENPA-NAC complex, at least composed of CENPA, CENPC, CENPH, CENPM, CENPN, CENPT and MLF1IP/CENPU. The CENPA-NAC complex interacts with the CENPA-CAD

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complex, composed of CENPI, CENPK, CENPL, CENPO, CENPP, CENPQ, CENPR and CENPS. Binds to DAXX.,

**Background**

Centromere protein C 1 is a centromere autoantigen and a component of the inner kinetochore plate. The protein is required for maintaining proper kinetochore size and a timely transition to anaphase. A putative pseudogene exists on chromosome 12. [provided by RefSeq, Jul 2008],

**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