

**Centromere protein F / mitosin Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2279a****Specification**

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**Centromere protein F / mitosin Antibody (C-Term) - Product Information**

Application	E
Primary Accession	<a href="#">P49454</a>
Other Accession	<a href="#">AAA82889.1</a> , <a href="#">AAA82935.1</a> , <a href="#">AAA86889.1</a> , <a href="#">1063</a>
Predicted	Human, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	357527

**Centromere protein F / mitosin Antibody (C-Term) - Additional Information****Gene ID** 1063**Other Names**

Centromere protein F, CENP-F, AH antigen, Kinetochore protein CENPF, MitoSin, CENPF

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Centromere protein F / mitosin Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Centromere protein F / mitosin Antibody (C-Term) - Protein Information****Name** CENPF**Function**

Required for kinetochore function and chromosome segregation in mitosis. Required for kinetochore localization of dynein, LIS1, NDE1 and NDEL1. Regulates recycling of the plasma membrane by acting as a link between recycling vesicles and the microtubule network through its association with STX4 and SNAP25. Acts as a potential inhibitor of pocket protein-mediated cellular processes during development by regulating the activity of RB proteins during cell division and proliferation. May play a regulatory or permissive role in the normal embryonic cardiomyocyte cell cycle and in promoting continued mitosis in transformed, abnormally dividing neonatal cardiomyocytes. Interaction with RB directs embryonic stem cells toward a cardiac lineage.

Involved in the regulation of DNA synthesis and hence cell cycle progression, via its C-terminus. Has a potential role regulating skeletal myogenesis and in cell differentiation in embryogenesis. Involved in dendritic cell regulation of T-cell immunity against chlamydia.

**Cellular Location**

Cytoplasm, perinuclear region. Nucleus matrix. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle Note=Relocalizes to the kinetochore/centromere (coronal surface of the outer plate) and the spindle during mitosis. Observed in nucleus during interphase but not in the nucleolus. At metaphase becomes localized to areas including kinetochore and mitotic apparatus as well as cytoplasm By telophase, is concentrated within the intracellular bridge at either side of the mid-body

**Centromere protein F / mitosin Antibody (C-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Centromere protein F / mitosin Antibody (C-Term) - Images****Centromere protein F / mitosin Antibody (C-Term) - Background**

The immunizing peptide shows one mismatch with the corresponding sequence of the NCBI-curated isoform NP\_057427.3.

**Centromere protein F / mitosin Antibody (C-Term) - References**

CENP-F is a protein of the nuclear matrix that assembles onto kinetochores at late G2 and is rapidly degraded after mitosis. Liao H, Winkfein RJ, Mack G, Rattner JB, Yen TJ. J Cell Biol. 1995 Aug;130(3):507-18. PMID: 7542657