

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8)
Mouse Monoclonal Antibody
Catalog # ALS12633**Specification**

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) - Product Information

Application	IHC
Primary Accession	P49454
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	368kDa KDa

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) - Additional Information**Gene ID** 1063**Other Names**

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

Target/Specificity

Reacts with human Mitosin.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) is for research use only and not for use in diagnostic or therapeutic procedures.

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) - 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

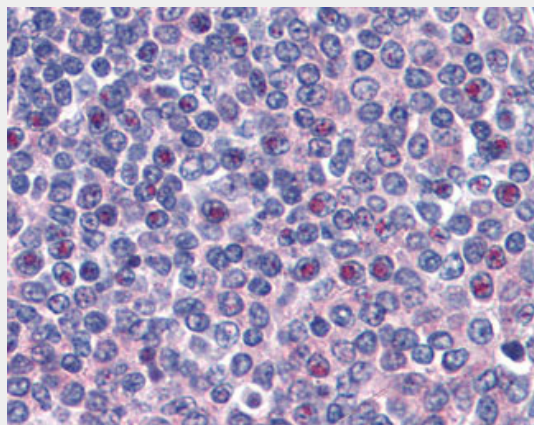
Cytoplasm, perinuclear region. Nucleus matrix. Chromosome, centromere, kinetochore. Cytoplasm, cytoskeleton, spindle Note=Relocalizes to the kinetochore/centromere (coronal surface of the outer plate) and the spindle during mitosis. Observed in nucleus during interphase but not in the nucleolus. At metaphase 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

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) - 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](#)

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) - Images



Anti-CENPF antibody IHC of human spleen.

CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) - Background

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CENPF / CENP-F Antibody (aa1759-2093, clone 14C10 1D8) - References

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Zhu X.,et al.Mol. Cell. Biol. 15:5017-5029(1995).
Gregory S.G.,et al.Nature 441:315-321(2006).
Li Q.,et al.Biochem. Biophys. Res. Commun. 212:220-228(1995).
Zhu X.,et al.J. Biol. Chem. 270:19545-19550(1995).