10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CENPI Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9618c

Product Information

Application	WB, E
Primary Accession	Q92674
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23271
Calculated MW	86720
Antigen Region	388-414

Additional Information

Gene ID	2491
Other Names	Centromere protein I, CENP-I, FSH primary response protein 1, Follicle-stimulating hormone primary response protein, Interphase centromere complex protein 19, Leucine-rich primary response protein 1, CENPI, FSHPRH1, ICEN19, LRPR1
Target/Specificity	This CENPI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 388-414 amino acids from the Central region of human CENPI.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CENPI Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CENPI
Synonyms	FSHPRH1, ICEN19, LRPR1

Function	Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Required for the localization of CENPF, MAD1L1 and MAD2 (MAD2L1 or MAD2L2) to kinetochores. Involved in the response of gonadal tissues to follicle- stimulating hormone.
Cellular Location	Nucleus. Chromosome, centromere. Note=Localizes exclusively in the centromeres. The CENPA-CAD complex is probably recruited on centromeres by the CENPA-NAC complex

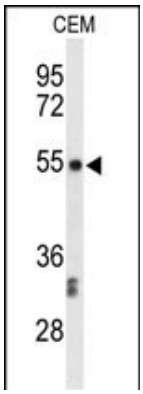
Background

CENPI is involved in the response of gonadal tissues to follicle-stimulating hormone.

References

Cheeseman, I.M., et al. Mol. Biol. Cell 19(2):587-594(2008)
Izuta, H., et al. Genes Cells 11(6):673-684(2006)
Okada, M., et al. Nat. Cell Biol. 8(5):446-457(2006)

Images



Western blot analysis of CENPI Antibody (Center) (Cat. #AP9618c) in CEM cell line lysates (35ug/lane). CENPI (arrow) was detected using the purified Pab.

Citations

- Centromere protein I promotes hepatocellular carcinoma progression by activating PI3K/AKT/mTOR-CDK2 cascade.

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