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CENPI Rabbit pAb

Catalog # AP97293

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q92674
Other Accession	Q92674
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86720
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CENPI
Epitope Specificity	201-300/756
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the mis6 family.
Post-translational modifications	Sumoylated. Sumoylated form can be polyubiquitinated by RNF4, leading to its degradation. Desumoylation by SENP6 prevents its degradation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The product of this gene is involved in the response of gonadal tissues to follicle-stimulating hormone. This gene is also a potential candidate for human X-linked disorders of gonadal development and gametogenesis. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	2491
Other Names	CENP-I; FSHPRH1; LRPR1; CENPI_HUMAN; CENPI; FSH primary response protein 1; Follicle-stimulating hormone primary response protein; Interphase centromere complex protein 19; Leucine-rich primary response protein 1; ICEN19; centromere protein I; FSH primary response (LRPR1, rat) homolog 1; FSH primary response (LRPR1 homolog, rat) 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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