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CENPM Rabbit pAb

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Catalog # AP55314

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NSP4
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19737
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CENPM
Epitope Specificity	51-150/180
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic and Nuclear. Note: Nuclear in non confluent cells and cytoplasmic in confluent or dividing cells. Localizes in the kinetochore domain of centromeres.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The centromere is a specialized chromatin domain, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays of nucleosomes in which CENPA (MIM 117139) replaces histone H3 (see MIM 601128). CENPM is an additional factor required for centromere assembly (Foltz et al., 2006 [PubMed 16622419]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	79019
Other Names	Centromere protein M, CENP-M, Interphase centromere complex protein 39, Proliferation-associated nuclear element protein 1, CENPM, C22orf18, ICEN39, PANE1
Dilution	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	CENPM
Synonyms	C22orf18, ICEN39, PANE1
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.
Cellular Location	Nucleus. Cytoplasm. Chromosome, centromere, kinetochore. Note=Nuclear in non-confluent cells and cytoplasmic in confluent or dividing cells (By similarity). Localizes in the kinetochore domain of centromeres.
Tissue Location	Isoform 3 is highly expressed in spleen, and intermediately in heart, prostate and ovary. Isoform 3 is highly expressed in resting CD19 B-cells and B-lineage chronic lymphocytic leukemia (B-CLL) cells and weakly expressed in activated B-cells Isoform 1 is selectively expressed in activated CD19 cells and weakly in resting CD19 B-cells

Background

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