SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-CENPM antibody

SL13837R

Product Name:	CENPM
Chinese Name:	着丝粒蛋白M抗体
Alias:	bK250D10.2; C22orf18; CENP M; CENPM_HUMAN; Centromere protein M; ICEN 39; ICEN39; Interphase centromere complex protein 39; MGC861; OTTHUMP00000028741; PANE 1; PANE1; Proliferation associated nuclear element 1; Proliferation associated nuclear element protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	20kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CENPM:51-150/180
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

Function:
CENPM (Centromere protein M) is a component of the CENPA-NAC (nucleosome associated) complex, a complex that plays a central role in kinetochore protein assembly, mitotic cell cycle progression and chromosome segregation.

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.

Tissue Specificity:
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.

SWISS:
Q9NSP4

Gene ID:
79019

Database links:

Entrez Gene: 79019 Human

Omim: 610152 Human

SwissProt: Q9NSP4 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.