CENPU Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CENPU, Polyclonal Antibody
Full Product Name	CENPU Polyclonal Antibody
Product Gene Name	anti-CENPU antibody
Product Synonym Names	Centromere protein U; CENP-U; Interphase centromere complex protein 24; KSHV latent nuclear antigen-interacting protein 1; MLF1-interacting protein; Polo-box-interacting protein 1; centromere protein of 50 kDa; CENP-50; MLF1IP; CENPU; ICEN24; KLIP1; PBIP1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	45
OMIM	611511
3D Structure	ModBase 3D Structure for Q71F23
Immunogen	Synthesized peptide derived from human protein. at AA range: 160-240
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CENPU antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CENPU antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-CENPU antibody	MBS8530939 is an antibody targeting CENPU. Also known as CENPU Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CENPU antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CENPU. It may not necessarily be applicable to this product.

NCBI GI #	38016935
NCBI GeneID	79682
NCBI Accession #	NP_078905.2
UniProt Primary Accession #	Q71F23
UniProt Secondary Accession #	Q09GN2; Q32Q71; Q9H5G1; A2RRD9
UniProt Related Accession #	Q71F23

GenBank Nucleotide #	NM_024629.3
NCBI Official Full Name	centromere protein U
NCBI Official Synonym Full Names	centromere protein U
NCBI Official Symbol	CENPU
NCBI Official Synonym Symbols	KLIP1; PBIP1; CENP50; MLF1IP; CENPU50
UniProt Protein Name	Centromere protein U
UniProt Synonym Protein Names	Centromere protein of 50 kDa; CENP-50; Interphase centromere complex protein 24; KSHV latent nuclear antigen-interacting protein 1; MLF1-interacting protein; Polo-box-interacting protein 1
Protein Family	Centromere protein
UniProt Gene Name	CENPU
UniProt Synonym Gene Names	ICEN24; KLIP1; MLF1IP; PBIP1; CENP-U; CENP-50
NCBI Protein Information	centromere protein U
NCBI Summary for CENPU	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). MLF1IP, or CENPU, is an additional factor required for centromere assembly (Foltz et al., 2006 [PubMed 16622419]).[supplied by OMIM, Mar 2008]
UniProt Comments for CENPU	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. Plays an important role in the correct PLK1 localization to the mitotic kinetochores. A scaffold protein responsible for the initial recruitment and maintenance of the kinetochore PLK1 population until its degradation. Involved in transcriptional repression.
Research Articles on CENPU	**1.** In-depth IPA analysis revealed that CENPU was associated with the HMGB1 signaling pathway. qPCR and western blot analysis demonstrated that in the HMGB1 signaling pathway, CENPU knockdown downregulated expression levels of ILB, CXCL8, RAC1 and IL1A
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