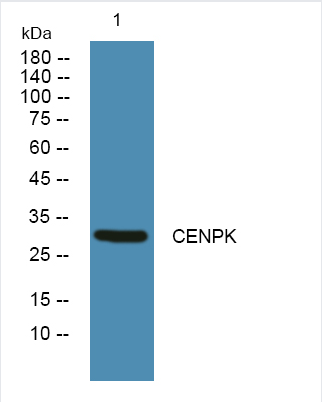
CENPK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CENPK, Polyclonal Antibody
Full Product Name	CENPK Rabbit Polyclonal Antibody
Product Gene Name	anti-CENPK antibody
Product Synonym Gene Name	CENPK, ICEN37, FKSG14
Product Synonym Names	BH6842; Centromere protein K (CENP-K)(Interphase centromere complex protein 37)(Protein AF-5alpha)(p33)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	CENPK Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	31,655 Da
OMIM	611502
3D Structure	ModBase 3D Structure for Q9BS16
Immunogen	Synthesized peptide derived from human protein. at AA range: 50-130
Modification	Unmodified/Total
Applications Tested/Suitable for anti-CENPK antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CENPK antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-CENPK antibody	CENPK is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is requiredfor proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]).[supplied by OMIM, Mar 2008]
Other Notes	Small volumes of anti-CENPK 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.
Searchable Terms for CENPK purchase	MBS9513804 is an antibody targeting CENPK. Also known as CENPK Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CENPK antibody
Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

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

NCBI GI #	16905073
NCBI GeneID	64105
NCBI Accession #	NP_071428.2
UniProt Primary Accession #	Q9BS16
UniProt Secondary Accession #	Q9H4L0
UniProt Related Accession #	Q9BS16
GenBank Nucleotide #	NM_022145.4
NCBI Official Full Name	centromere protein K
NCBI Official Synonym Full Names	centromere protein K
NCBI Official Symbol	CENPK
NCBI Official Synonym Symbols	P33; Solt; CENP-K; FKSG14; AF5alpha
UniProt Protein Name	Centromere protein K
UniProt Synonym Protein Names	Interphase centromere complex protein 37; Protein AF-5alpha; p33
Protein Family	Centromere protein
UniProt Gene Name	CENPK
UniProt Synonym Gene Names	ICEN37; CENP-K
UniProt Entry Name	CENPK_HUMAN
NCBI Protein Information	centromere protein K; protein AF-5alpha; leucine zipper protein FKSG14; SoxLZ/Sox6-binding protein Solt; interphase centromere complex protein 37
NCBI Summary for CENPK	CENPK is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]).[supplied by OMIM, Mar 2008]

UniProt Comments for CENPK	CENPK: 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. Acts in coordination with CASC5/KNL1 to recruit the NDC80 complex to the outer kinetochore. Chromosomal aberrations involving CENPK are a cause of acute leukemias. Translocation t(5;11)(q12;q23) with MLL. Belongs to the CENPK family. Chromosomal Location of Human Ortholog: 5q12.3 Cellular Component: nucleoplasm; cytosol Biological Process: nucleosome assembly; DNA replication-independent nucleosome assembly at centromere; positive regulation of transcription from RNA polymerase II promoter; mitotic cell cycle
Research Articles on CENPK	**1.** the vertebrate KNL1 counterpart is essential for chromosome segregation and is required to localize a subset of outer kinetochore proteins.
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