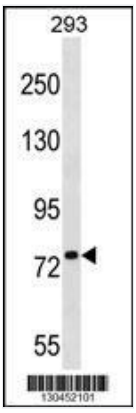
PLK1S1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLK1S1, Polyclonal Antibody
Full Product Name	PLK1S1, NT (PLK1S1, C20orf19, KIZ, NCRNA00153, Centrosomal protein kizuna, Polo-like kinase 1 substrate 1) (Biotin)
Product Gene Name	anti-PLK1S1 antibody
Product Synonym Names	PLK1S1; C20orf19; KIZ; NCRNA00153; Centrosomal protein kizuna; Polo-like kinase 1 substrate 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	59,243 Da
OMIM	615757
3D Structure	ModBase 3D Structure for Q2M2Z5
Immunogen	PLK1S1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-86 amino acids from the N-terminal region of human PLK1S1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-PLK1S1 antibody	Antibodies; Centrosomal Proteins
Applications Tested/Suitable for anti-PLK1S1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PLK1S1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PLK1S1 antibody	Centrosomal protein required for establishing a robust mitotic centrosome architecture that can endure the forces that converge on the centrosomes during spindle formation. Required for stabilizing the expanded pericentriolar material around the centriole.
Product References and Citations for anti-PLK1S1 antibody	Oshimori, N., et al. EMBO J. 28(14):2066-2076(2009). Oshimori, N., et al. Nat. Cell Biol. 8(10):1095-1101(2006).
Other Notes	Small volumes of anti-PLK1S1 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 PLK1S1 purchase	MBS6334984 is an antibody targeting PLK1S1. Also known as PLK1S1, NT (PLK1S1, C20orf19, KIZ, NCRNA00153, Centrosomal protein kizuna, Polo-like kinase 1 substrate 1) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PLK1S1 antibody
PLK1S1 Antibody (N-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the PLK1S1 antibody detected the PLK1S1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLK1S1. It may not necessarily be applicable to this product.

NCBI GI #	247301318
NCBI GeneID	55857
NCBI Accession #	NP_001156494.1
UniProt Primary Accession #	Q2M2Z5
UniProt Secondary Accession #	Q4G0M8; Q4G0S5; Q5BKY3; Q6P0M6; Q71ME0; Q9NZ35; B4DDE9; B4DK54
UniProt Related Accession #	Q2M2Z5
GenBank Nucleotide #	NM_001163022.2
NCBI Official Full Name	centrosomal protein kizuna isoform 2
NCBI Official Synonym Full Names	kizuna centrosomal protein
NCBI Official Symbol	KIZ
NCBI Official Synonym Symbols	RP69; HT013; Kizuna; PLK1S1; C20orf19; NCRNA00153
UniProt Protein Name	Centrosomal protein kizuna
UniProt Synonym Protein Names	Polo-like kinase 1 substrate 1
UniProt Gene Name	KIZ
UniProt Synonym Gene Names	C20orf19; NCRNA00153; PLK1S1
UniProt Entry Name	KIZ_HUMAN
NCBI Protein Information	centrosomal protein kizuna
NCBI Summary for PLK1S1	The protein encoded by this gene localizes to centrosomes, strengthening and stabilizing the pericentriolar region prior to spindle formation. The encoded protein usually remains with the mother centrosome after centrosomal duplication. Sevral transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]
Research Articles on PLK1S1	**1.** Kiz phosphorylation depends on a balance between CDC25B and Plk1 activities.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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