cdc2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	cdc2, Polyclonal Antibody
Full Product Name	Rabbit anti-Schizosaccharomyces pombe (strain 972/24843)(Fission yeast) cdc2 Polyclonal Antibody
Product Gene Name	anti-cdc2 antibody
Product Synonym Names	cdc2 Antibody; Cyclin-dependent kinase 1; CDK1; EC 2.7.11.22; EC 2.7.11.23; Cell division control protein 2; Cell division protein kinase 1; p34 protein kinase; cdc2 cdk1 swo2 pi002 SPBC11B10.09
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Schizosaccharomyces pombe (strain 972/ 24843)(Fission yeast)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	34,359 Da
3D Structure	ModBase 3D Structure for P04551
Immunogen	Recombinant Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast) cdc2 protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-cdc2 antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-cdc2 antibody	MBS7164389 is an antibody targeting cdc2. Also known as Rabbit anti-Schizosaccharomyces pombe (strain 972/24843)(Fission yeast) cdc2 Polyclonal Antibody. Reactive in Schizosaccharomyces pombe (strain 972/ 24843)(Fission yeast). Host: Rabbit.
Other Notes	Small volumes of anti-cdc2 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 cdc2. It may not necessarily be applicable to this product.

NCBI GI #	19112421
NCBI GeneID	2539869
NCBI Accession #	NP_595629.1
UniProt Primary Accession #	P04551

GenBank Nucleotide #	NM_001021523.2
NCBI Official Symbol	cdc2
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Synonym Protein Names	Cell division control protein 2; Cell division protein kinase 1; p34 protein kinase
Protein Family	Cell division protein kinase
UniProt Gene Name	cdc2
UniProt Synonym Gene Names	cdk1; swo2; CDK1
NCBI Protein Information	cyclin-dependent protein kinase Cdk1/Cdc2
UniProt Comments for cdc2	Plays a key role in the control of the eukaryotic cell cycle. It is required for entry into S-phase and mitosis. When complexed with cig2, plays a role in G1-S phase transition. When activated and complexed with the cyclin cdc13, it leads to the onset of mitosis. p34 is a component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II. Involved in cell cycle arrest induced by defective RNA splicing. Required for phosphorylation of dis1 to ensure accurate chromosome segregation and for the DNA damage checkpoint.
Research Articles on cdc2	**1.** fission yeast Wee1 is a major kinase regulating Cdc2 activity in S phase
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