CDC25C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDC25C, Polyclonal Antibody
Full Product Name	Rabbit anti CDC25C (pS216) Polyclonal Antibody
Product Gene Name	anti-CDC25C antibody
Product Synonym Names	Cell Division cycle 25c
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purity/Purification	Purified by site-modified Epitope Affinity Purification.
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C. The antibodies can be stored at 2 degree C - 8 degree C for one month without detectable loss of activity. Avoid repeated freezing-thawing cycles.
Molecular Weight	45,608 Da
OMIM	M34065 mRNA
Applications Tested/Suitable for anti-CDC25C antibody	ELISA (EIA), Flow Cytometry (FC/FACS), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-CDC25C antibody	ELISA: 0.01-0.1 ug/ml Flow Cytometry: 5-10 ug/ml Immunohistochemistry: 2-10 ug/ml Immunoprecipitation: 2-5 ug/ml Western Blot: 0.1-1 ug/ml
Related Product Information for anti-CDC25C antibody	MBS460390 is an antibody targeting CDC25C. Also known as Rabbit anti CDC25C (pS216) Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CDC25C 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 CDC25C. It may not necessarily be applicable to this product.

NCBI GI #	15723723
NCBI GeneID	995
NCBI Accession #	AAL05410.1
UniProt Secondary Accession #	Q96PL3; Q9H168; Q9H2E8; Q9H2E9; Q9H2F1; D3DQB8
UniProt Related Accession #	P30307
NCBI Official Full Name	CDC25C, partial

NCBI Official Synonym Full Names	cell division cycle 25C
NCBI Official Symbol	CDC25C
NCBI Official Synonym Symbols	CDC25; PPP1R60
UniProt Protein Name	M-phase inducer phosphatase 3
UniProt Synonym Protein Names	Dual specificity phosphatase Cdc25C
UniProt Gene Name	CDC25C
NCBI Protein Information	M-phase inducer phosphatase 3
NCBI Summary for CDC25C	This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015]
UniProt Comments for CDC25C	CDC25C: a member of the MPI phosphatase family. Activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. Shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. At least four transcript variants for this gene exist. Three splice variant isoforms have been described. Protein type: EC 3.1.3.48; Motility/polarity/chemotaxis; Protein phosphatase, dual-specificity Chromosomal Location of Human Ortholog: 5q31.2 Cellular Component: cytosol; nuclear speck; nucleoplasm; nucleus Molecular Function: phosphoprotein phosphatase activity; protein binding; protein kinase binding; WW domain binding Biological Process: cell proliferation; DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest; DNA replication; G2/M transition of mitotic cell cycle; regulation of cell cycle; regulation of cyclin-dependent protein kinase activity; regulation of mitosis
Research Articles on CDC25C	**1.** Data show that TRIB2-mediated degradation of CDC25C is associated with lysine-48-linked CDC25C polyubiquitination driven by the TRIB2 kinase-like domain.
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