

CDC25C Antibody (ascites)

Mouse Monoclonal Antibody (Mab) Catalog # AM1908a

Product Information

Application WB, E Primary Accession P30307

Other Accession NP 001781.2, NP 073720.1

Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype IgG1,k
Clone Names 233CT9.6.6
Calculated MW 53365

Additional Information

Gene ID 995

Other Names M-phase inducer phosphatase 3, Dual specificity phosphatase Cdc25C,

CDC25C

Target/Specificity This CDC25C monoclonal antibody is generated from mouse immunized with

CDC25C recombinant protein.

Dilution WB~~1:1000~8000 E~~Use at an assay dependent concentration.

Format Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V)

sodium azide.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions CDC25C Antibody (ascites) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name CDC25C

Function Functions as a dosage-dependent inducer in mitotic control. Tyrosine

protein phosphatase required for progression of the cell cycle

(PubMed:<u>8119945</u>). When phosphorylated, highly effective in activating G2 cells into prophase (PubMed:<u>8119945</u>). Directly dephosphorylates CDK1 and

activates its kinase activity (PubMed:8119945).

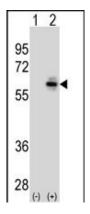
Background

This gene is highly conserved during evolution and it plays a key role in the regulation of cell division. The encoded protein is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It is also thought to suppress p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described, however, the full-length nature of many of them is not known. [provided by RefSeq].

References

Moon, D.O., et al. Oncol. Rep. 24(1):271-276(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press: Franckhauser, C., et al. PLoS ONE 5 (7), E11798 (2010): Wang, Z., et al. BMC Cancer 10, 233 (2010):

Images



Western blot analysis of CDC25C (arrow) using CDC25C (Cat. #AM1908a). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CDC25C gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.