

CDC6 monoclonal antibody, clone DCS-180

Catalog # MAB1437

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant CDC6.
Immunogen	Recombinant protein corresponding to full length human CDC6.
Host	Mouse
Theoretical MW (kDa)	62.7
Reactivity	Human
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Gene Info — CDC6

Entrez GeneID [990](#)

Gene Name CDC6

Gene Alias CDC18L, HsCDC18, HsCDC6

Gene Description cell division cycle 6 homolog (S. cerevisiae)

Omim ID [602627](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is highly similar to Saccharomyces cerevisiae Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early step s of DNA replication. It localizes in cell nucleus during cell cyle G1, but translocates to the cytoplas m at the start of S phase. The subcellular translocation of this protein during cell cyle is regulated t hrough its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in r esponse to mitogenic signals through transcriptional control mechanism involving E2F proteins. [p rovided by RefSeq

Other Designations CDC18 (cell division cycle 18, S.pombe, homolog)-like|CDC6 cell division cycle 6 homolog|CDC 6-related protein|cell division cycle 6 protein

Publication Reference

- [Localization of human cell cycle regulatory genes CDC25C to 5q31 and WEE1 to 11p15.3-11p15.1 by fluorescence in situ hybridization.](#)

Taviaux SA, Demaille JG.

Genomics 1993 Jan; 15(1):194.

- [Assignment of two human cell cycle genes, CDC25C and CCNB1, to 5q31 and 5q12, respectively.](#)

Sartor H, Ehler F, Grzeschik KH, Muller R, Adolph S.

Genomics 1992 Jul; 13(3):911.

Pathway

- [Cell cycle](#)

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Lymphoma](#)
- [Pulmonary Disease](#)
- [Uterine Cervical Neoplasms](#)