

Anti-APC4 Antibody, clone CIV1.1 clone CIV1.1, from mouse

Art. ID SAF-MABS1257
Unit EA

Description

Anaphase-promoting complex subunit 4 (UniProt Q9UJX5, also known as APC4, Cyclosome subunit 4) is encoded by the ANAPC4 (also known as APC4) gene (Gene ID 29945) in human. APC4 is a component of the anaphase-promoting complex or cyclosome (APC/C). APC/C is an E3 ubiquitin ligase complex that promotes the transition from metaphase to anaphase of the cell cycle by targeting specific proteins for proteasomal degradation at specific times under the control of the spindle assembly checkpoint (SAC). The catalytic core of the APC/C consists of the cullin subunit APC2 and RING H2 domain subunit APC11. Other APC/C components, including APC4, are composed multiple repeat motifs with the main purpose of providing molecular scaffold support. APC4 contains WD repeats and has a molecular weight of approximately 92 kDa. APC4 is located in the nucleus during interphase and at the centrosome during metaphase/anaphase.