

Anti-ANAPC11 Antibody (70517)

Product Details

Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 10 kDa.
Clone:	70517
Purification:	ProA affinity purified

Applications

Application:	FCM,WB
Recommended	WB: 1:500-1000; FCM: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q9NYG5
Synonyms:	Yeast APC 11 homolog;Yeast APC11 homolog;APC11 anaphase promoting complex subunit 11 homolog;Apc 11p;Anaphase-promoting complex subunit 11 Apc 11;Hepatocellular carcinoma-associated RING finger protein;Anaphase promoting complex subunit 11 homolog;HSPC 214; ANAPC 11;Anaphase promoting complex subunit 11 (yeast APC11 homolog);Apc11p Cyclosome subunit 11;Anaphase promoting complex subunit 11;APC11 APC11_HUMAN;Anaphase promoting complex subunit 11 homolog (yeast);Hepatocellular carcinoma associated RING finger protein;APC11 anaphase promoting complex subunit 11 homolog (yeast);HSPC214 MGC882

Research Background

Comprising more than ten subunits, the anaphase-promoting complex (APC) acts in a cell-cycle dependent manner to promote the separation of sister chromatids during the transition between metaphase and anaphase in mitosis. APC, or cyclosome, accomplishes this progression through the ubiquitination of mitotic cyclins and other regulatory proteins that are targeted for destruction during cell division. APC is phosphorylated, and thus activated, by protein kinases Cdk1/cyclin B and polo-like kinase (Plk). APC is under tight control by a number of regulatory factors, including CDC20, CDH1 and MAD2. Specifically, CDC20 and CDH1 directly bind to APC and activates APC's cyclin-ubiquitination activity. In contrast, MAD2 inhibits APC by forming a ternary complex with CDC20 and APC; thus preventing APC activation. APC11 is a RING-H2 finger protein that allows for the synthesis of multiubiquitin chains in the presence of Ubiquitin carrier protein 4 (Ubc4) and ubiquitin conjugating enzyme (E2). In addition, a heterodimeric complex of either Ubc4 or UbcH10 with APC11 and APC2 catalyzes the ubiquitination of human securin and cyclin B1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481