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Cdc23/APC8 Antibody

Rabbit mAb
Catalog # AP90946

Product Information

Application	WB, IF, ICC
Primary Accession	Q9UJX2
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CDC23; ANAPC8; APC8; Cell division cycle 23; CUT23; Cyclosome subunit 8;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	68834

Additional Information

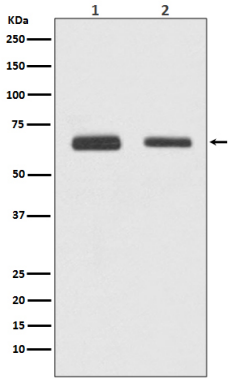
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cdc23/APC8
Description	Anaphase-promoting complex subunit 8 (APC8, CDC23) is a component of the tetratricopeptide repeat (TPR) APC/C sub-complex that also includes APC3 (CDC27) and APC6 (CDC16). APC8 protein associates with APC3 and APC6 to facilitate recruitment of the APC/C coactivation subunits CDC20 and Cdh1/FZR1. Research studies suggest that APC8 protein is overexpressed in papillary thyroid cancer and acts as an important regulator of cell cycle progression and cell growth.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CDC23
Synonyms	ANAPC8
Function	Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through the cell cycle (PubMed:18485873, PubMed:27120157, PubMed:27509861). APC/C acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains (PubMed:18485873). APC/C catalyzes assembly of branched 'Lys-11'-/'Lys- 48'-linked branched ubiquitin chains on target proteins (PubMed:29033132). APC/C is activated by CDC20 in the metaphase/anaphase transition of cell cycle, targeting the degradation of cyclin B and securin

(PubMed:27120157, PubMed:27509861). APC/C is regulated by the mitotic checkpoint complex (MCC), which inhibits APC/C and delays chromosome segregation (PubMed:27509861).

Images



Western blot analysis of Cdc23/APC8 expression in (1)HepG2 cell lysate; (2)Jurkat cell lysate.

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