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Cdc16/APC6 Antibody

Rabbit mAb
Catalog # AP90944

Product Information

Application	WB, IF, ICC
Primary Accession	Q13042
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CDC16; ANAPC6; APC6; CDC16 homolog; Cyclosome subunit 6; CDC16Hs; CUT9;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	71656

Additional Information

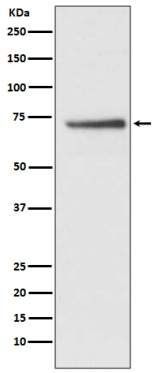
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cdc16/APC6
Description	Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle.
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	CDC16
Synonyms	ANAPC6
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). 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 complex 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).

Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.

Images



Western blot analysis of Cdc16/APC6 expression in HepG2 cell lysate.

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