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# Anti-Cdc16/APC6 Rabbit Monoclonal Antibody

Catalog # ABO14039

## Product Information

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|---|---|
| **Application** | WB, IF, ICC |
| **Primary Accession** | Q13042 |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Format** | Liquid |
| **Description** | Anti-Cdc16/APC6 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

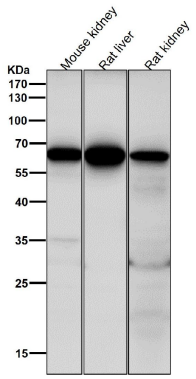
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| **Gene ID** | 8881 |
| **Other Names** | Cell division cycle protein 16 homolog, Anaphase-promoting complex subunit 6, APC6, CDC16 homolog, CDC16Hs, Cyclosome subunit 6, CDC16, ANAPC6 |
| **Calculated MW** | 71656 |
| **Application Details** | WB 1:500-1:2000<br>ICC/IF 1:50-1:200 |
| **Subcellular Localization** | Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle. |
| **Source** | Eukaryota |
| **Contents** | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA. |
| **Clone Names** | Clone: IOI-3 |
| **Immunogen** | A synthesized peptide derived from human Cdc16/APC6 |
| **Purification** | Affinity-chromatography |
| **Storage** | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

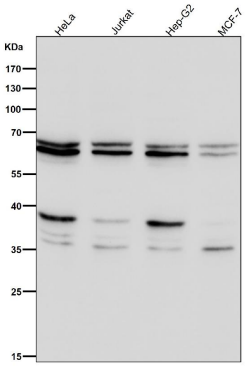
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| **Name** | CDC16 |

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| **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. |

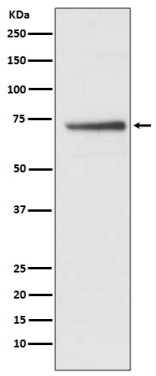
## Images




All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.




All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.




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

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