10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-CDC23 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1187

Product Information

Application	WB, ICC
Primary Accession	Q9UJX2
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3420
Calculated MW	68834
Gene Name	CDC23
Aliases	CDC23; Cell Division Cycle 23; ANAPC8; APC8; CUT23; Cell Division Cycle Protein 23 Homolog; Anaphase-Promoting Complex Subunit 8; Cyclosome Subunit 8; CDC23 (Cell Division Cycle 23, Yeast, Homolog); Cell Division Cycle 23 Homolog (S. Cerevisiae); Anaphase Promoting Complex Subunit 8; Cell Division Cycle 23 Homolog
Immunogen	A synthesized peptide derived from human Cdc23/APC8

Additional Information

Gene ID	8697
Other Names	Cell division cycle protein 23 homolog, Anaphase-promoting complex subunit 8, APC8, Cyclosome subunit 8, CDC23, ANAPC8

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).