



# Rabbit Anti-CDC34 monoclonal antibody, clone KK197-18 (CABT-L816)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	Cdc34
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	KK197-18
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IP, FC
<b>Molecular Weight</b>	34 kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus.
<b>Positive Control</b>	A549, N2A, Hela, K562, Jurkat.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by the proteolysis of cyclins. The cell division cycle (Cdc) genes are required at various points in the cell cycle. Cdc25A, Cdc25B and Cdc25C protein tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory tyrosine residues. Cdc6 is the human homolog of <i>Saccharomyces cerevisiae</i> Cdc6, which is involved in the initiation of DNA replication. Cdc37 appears to facilitate Cdk4/cyclin D1 complex formation and has been shown to form a stable complex with Hsp90. Cdc34, Cdc27 and Cdc16 function as ubiquitin-conjugating enzymes. Cdc34 is thought to be the structural and functional homolog of <i>Saccharomyces cerevisiae</i> Cdc34, which is essential for the G1 to S phase transition. Cdc16 and Cdc27 are components of the APC (anaphase-promoting complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.
<b>Keywords</b>	Cdc 34;Cdc34;Cell division cycle 34;Cell division cycle 34 homolog ( <i>S. cerevisiae</i> );Cell division cycle 34 homolog;E2 CDC34;UB2R1_HUMAN;UBC 3;UBC3;UBCH3;UBE2R1;UBE2R1;Ubiquitin carrier protein;Ubiquitin conjugating enzyme Cdc34;Ubiquitin conjugating enzyme E2 32 kDa complementing;Ubiquitin protein ligase;Ubiquitin protein ligase R1;Ubiquitin-conjugating enzyme E2 R1;Ubiquitin-conjugating enzyme E2-32 kDa complementing;Ubiquitin-conjugating enzyme E2-CDC34;Ubiquitin-protein ligase R1 antibody

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## GENE INFORMATION

Entrez Gene ID	<a href="#">29108</a>
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