

## Cdc27 Conjugated Antibody

Catalog No: #C49210



Package Size: #C49210-AF350 100ul #C49210-AF405 100ul #C49210-AF488 100ul  
 #C49210-AF555 100ul #C49210-AF594 100ul #C49210-AF647 100ul  
 #C49210-AF680 100ul #C49210-AF750 100ul #C49210-Biotin 100ul

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## Description

Product Name	Cdc27 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ANAPC3 antibody Anaphase Promoting Complex 3 antibody Anaphase promoting complex protein 3 antibody Anaphase Promoting Complex Subunit 3 antibody Anaphase-promoting complex subunit 3 antibody APC 3 antibody APC3 antibody Cdc 27 antibody Cdc27 antibody CDC27 homolog antibody CDC27_HUMAN antibody CDC27Hs antibody Cell Division Cycle 27 antibody Cell division cycle protein 27 homolog antibody D0S1430E antibody D17S978E antibody H NUC antibody H-NUC antibody HNUC antibody Nuc2 homolog antibody
Accession No.	Swiss-Prot#:P30260
Uniprot	P30260
GeneID	996;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	92 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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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 *Saccharomyces cerevisiae* 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 *Saccharomyces cerevisiae* 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.

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Note: This product is for in vitro research use only