

## Product datasheet for **TA319297**

### CDC27 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:8,000 - 1:30,000, WB: 1:300 - 1:2,000, IP: 1:100
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 239-249 of Human CDC27.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cell division cycle 27
Database Link:	<a href="#">NP_001107563</a> <a href="#">Entrez Gene 996 Human</a> <a href="#">P30260</a>
Synonyms:	ANAPC3; APC3; CDC27Hs; D0S1430E; D17S978E; H-NUC; HNUC; NUC2
Note:	Human CDC27 (also called Cell division cycle protein 27 homolog, CDC27Hs and H-NUC) shares strong similarity with <i>Saccharomyces cerevisiae</i> protein Cdc27. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eukaryotic cells. APC catalyzes the formation of a cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction. This protein was shown to interact with mitotic checkpoint proteins including Mad2, p55CDC and BUBR1, and thus may be involved in controlling the timing of mitosis.

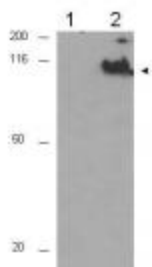


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**Protein Families:** Druggable Genome

**Protein Pathways:** Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

**Product images:**



WB using Anti-CDC27 pT244 antibody shows detection of a band ~92 kDa corresponding to phosphorylated human CDC27 (arrowhead). Lane 1 shows lysate from asynchronous cells. Lane 2 shows lysate from cells treated with nocodazole. Phosphorylated CDC27 is mostly present only in cell preparations arrested in mitosis. The primary antibody was diluted to 1:500. HRP Gt-a-Rabbit IgG [H&L] MX was used at 1:5000.