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Rabbit Anti-phospho-CDC27 (Ser426) antibody

SL5267R

Product Name:	phospho-CDC27 (Ser426)
Chinese Name:	磷酸化后期促进复合蛋白3抗体
Alias:	CDC27 (phospho S426); CDC27 (phospho Ser426); p-CDC27 (phospho Ser426); ANAPC3; Anaphase Promoting Complex 3; Anaphase promoting complex protein 3; Anaphase Promoting Complex Subunit 3; Anaphase-promoting complex subunit 3; APC 3; APC3; APC-3; Cdc 27; Cdc27; Cdc-27; CDC27 homolog; CDC27_HUMAN; CDC27Hs; Cell division cycle 27; Cell division cycle protein 27 homolog; H NUC; H-NUC; HNUC; NUC2 homolog.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	91kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from mouse CDC27 around the phosphorylation site of Ser426:ND(p-S)LE
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

Product Detail:	The protein encoded by this gene shares strong similarity with Saccharomyces cerevisiae protein Cdc27, and the gene product of Schizosaccharomyces pombe nuc 2. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eucaryotic cells. APC catalyzes the formation of 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] **Function:** Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex 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 **Subunit:** The APC/C is composed of at least 12 subunits. Interacts with RB. Interacts with FAM168B/MANI. Interacts with MCPH1. **Subcellular Location:** Nucleus. **Post-translational modifications:** Phosphorylated. Phosphorylation on Ser-426 and Thr-446 occurs specifically during mitosis. **Similarity:** Belongs to the APC3/CDC27 family. Contains 9 TPR repeats. **SWISS:** P30260 **Gene ID:** 996 **Database links:** Entrez Gene: 996 Human Entrez Gene: 540660 Cow

	Entrez Gene: 490924 Dog Entrez Gene: 217232 Mouse Entrez Gene: 360643 Rat Omim: 116946 Human SwissProt: P30260 Human SwissProt: A2A6Q5 Mouse SwissProt: Q4V8A2 Rat Unigene: 463295 Human Unigene: 89845 Mouse Unigene: 198335 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.