



## Rabbit Anti-phospho-CDC27 (Thr244) antibody

SL5268R

<b>Product Name:</b>	phospho-CDC27 (Thr244)
<b>Chinese Name:</b>	磷酸化后期促进复合蛋白3抗体
<b>Alias:</b>	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.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Rat,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	92kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human CDC27 around the phosphorylation site of Thr244:PD(p-T)VP
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>

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, p53CDC 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. [PATHWAY] Protein modification; protein ubiquitination.

**Subunit:**

The APC/C is composed of at least 12 subunits. Interacts with RB. Interacts with FAM168B/MANI (By similarity). 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

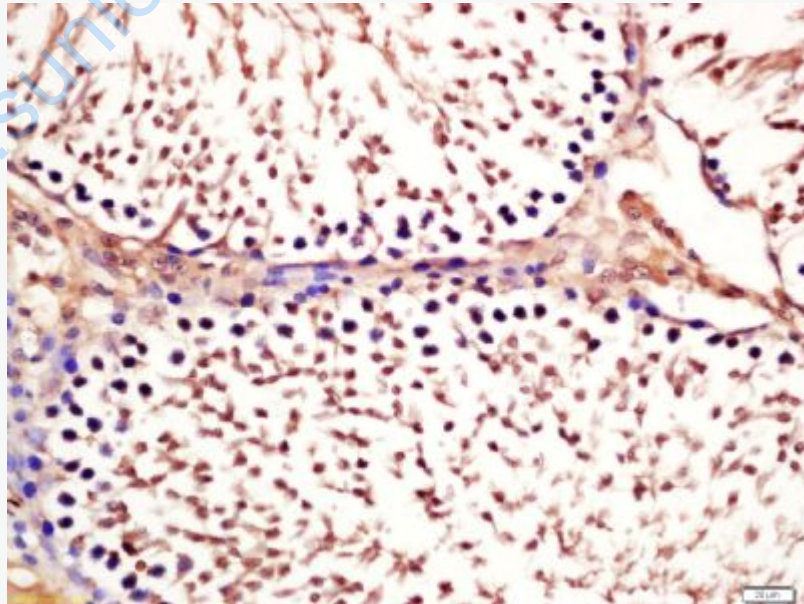
**Product Detail:**

[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.

**Picture:**



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block

endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-phospho-GSK-3 Beta (Ser21) Polyclonal Antibody, Unconjugated(SL5268R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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