

# Cdc27/APC3 Antibody

Rabbit mAb

Catalog # AP90937

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P30260</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CDC27Hs; Cell division cycle protein 27 homolog; HNUC; APC3; ANAPC3;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	91867

## Additional Information

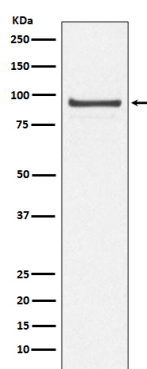
<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Cdc27/APC3
<b>Description</b>	The protein encoded by this gene shares strong similarity with <i>Saccharomyces cerevisiae</i> protein Cdc27, and the gene product of <i>Schizosaccharomyces pombe</i> 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.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	CDC27
<b>Synonyms</b>	ANAPC3, DOS1430E, D17S978E
<b>Function</b>	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 (PubMed: <a href="#">18485873</a> ). 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 (PubMed: <a href="#">18485873</a> ). The APC/C complex catalyzes assembly of branched 'Lys-11'-/'Lys-48'-linked branched ubiquitin chains on target proteins (PubMed: <a href="#">29033132</a> ).
<b>Cellular Location</b>	Nucleus. Cytoplasm, cytoskeleton, spindle

## Images

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Western blot analysis of Cdc27/APC3 expression in 293T cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.