

## Product datasheet for **AM06470SU-N**

### CDC27 Mouse Monoclonal Antibody [Clone ID: 5C12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5C12
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on Paraffin:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human CDC27 expressed in E. Coli.
Specificity:	Recognizes CDC27
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	91 kDa
Gene Name:	cell division cycle 27
Database Link:	<a href="#">Entrez Gene 996 Human P30260</a>



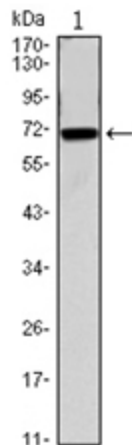
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**Background:**

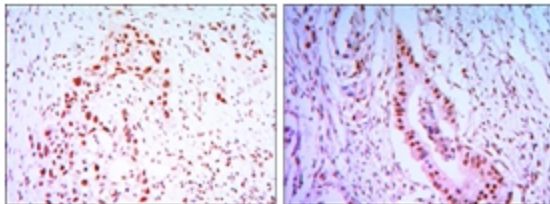
Cdc27 shares strong similarity with *Saccharomyces cerevisiae* protein Cdc27, and the gene product of *Schizosaccharomyces pombe* nuc 2. It is a component of the Anaphase Promoting Complex (APC), which is composed of eight protein subunits and is highly conserved in eucaryotic cells. The APC catalyzes the formation of the 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.

**Synonyms:**

CDC27Hs, H-NUC, D0S1430E, D17S978E

**Product images:**


Western blot analysis using CDC27 antibody Cat.-No AM06470SU-N against CDC27 (AA: 724-830)-hlgGfC transfected HEK293 cell.



Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and colon cancer tissues (right) using CDC27 antibody Cat.-No AM06470SU-N with DAB staining.