



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to CDC27

Catalog Number: MAB-606030064

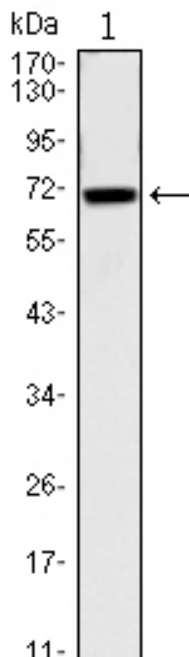


Figure 1: Western blot analysis using CDC27 mouse mAb against CDC27-hIgGFc transfected HEK293 cell.

Lot#:
Clone#: 5C12
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 91kDa
Aliases: APC3; HNUC; ANAPC3;
CDC27Hs; D0S1430E;
D17S978E;
Entrez Gene: 996
Species reactivity: Human

Description 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, p53CDC and BUBR1, and thus may be involved in controlling the timing of mitosis.

Immunogen Purified recombinant fragment of human CDC27 expressed in *E. Coli*.

Application Western Blotting: 1/500 - 1/2000.
Immunohistochemistry: 1/200 - 1/1000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. Mol Cell Biol. 2004 May;24(9):3577-87.
2. J Biol Chem. 2004 Oct 1;279(40):42128-38.

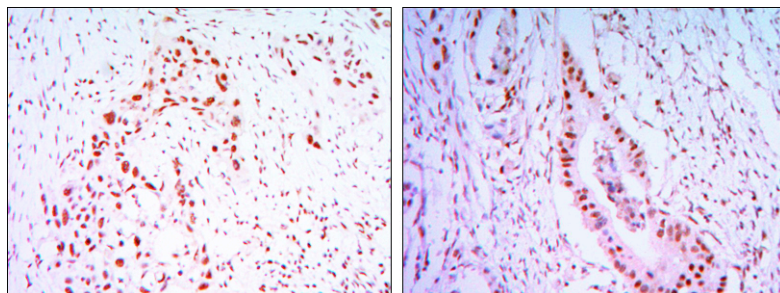


Figure 2: Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and colon cancer tissues (right) using CDC27 mouse mAb with DAB staining.

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