



# CDC27 Monoclonal Antibody

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-32152                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity         | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applications       | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name          | CDC27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protein Name       | Cell division cycle protein 27 homolog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen          | Purified recombinant fragment of human CDC27 expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity        | CDC27 Monoclonal Antibody detects endogenous levels of CDC27 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Formulation        | Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source             | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purification       | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dilution           | WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms           | CDC27; ANAPC3; D0S1430E; D17S978E; Cell division cycle protein 27 homolog; Anaphase-promoting complex subunit 3; APC3; CDC27 homolog; CDC27Hs; H-NUC                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cell Pathway       | Nucleus . Cytoplasm, cytoskeleton, spindle .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Specificity | Epithelium,Uterus,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Function           | PTM:Phosphorylated. Phosphorylation on Ser-426 and Thr-446 occurs specifically during mitosis.,similarity:Belongs to the APC3/CDC27 family.,similarity:Contains 9 TPR repeats.,subunit:Interacts with RB.,                                                                                                                                                                                                                                                                                                                                                             |
| Background         | 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 the anaphase-promoting complex (APC), which is composed of eight protein subunits and is highly conserved in eukaryotic cells. This complex catalyzes the formation of cyclin B-ubiquitin conjugate, which is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. The protein encoded by this gene and three other members of the APC complex contain |

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tetratricopeptide (TPR) repeats, which are important for protein-protein interactions. This protein was shown to interact with mitotic checkpoint proteins including Mad2, p53CDC and BUBR1, and it may thus be involved in controlling the timing of mitosis. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been i

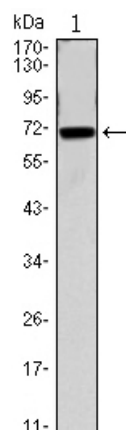
#### matters needing attention

Avoid repeated freezing and thawing!

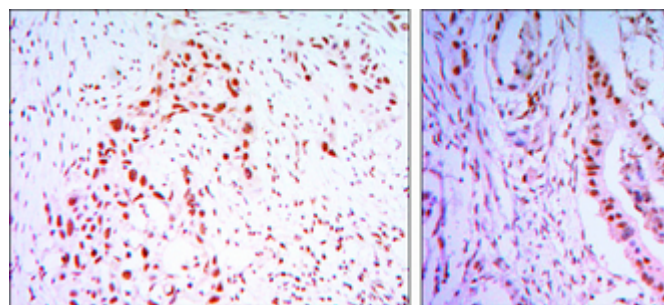
#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis using CDC27 Monoclonal Antibody against CDC27-hlgGfC transfected HEK293 cell.



Immunohistochemistry analysis of paraffin-embedded lung cancer tissues (left) and colon cancer tissues (right) with DAB staining using CDC27 Monoclonal Antibody.

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