

Datasheet for ABIN969035

**anti-CDC27 antibody**[Go to Product page](#)

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## Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µL   |
| Target:      | CDC27  |
| Reactivity:  | Human  |
| Host:        | Mouse  |
| Clonality:   | Monoclonal   |
| Conjugate:   | This CDC27 antibody is un-conjugated                     |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | Purified recombinant fragment of human CDC27 expressed in E. coli. |
| Clone:        | 5C12   |
| Isotype:      | IgG1   |
| Purification: | purified   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | CDC27   |
| Alternative Name: | CDC27 ( <a href="#">CDC27 Products</a> )  |
| Background:       | 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 |

## Target Details

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.

Aliases: APC3, HNUC, ANAPC3, CDC27Hs, D0S1430E, D17S978E,

|                   |        |
|-------------------|--------|
| Molecular Weight: | 91 kDa |
|-------------------|--------|

|          |     |
|----------|-----|
| Gene ID: | 996 |
|----------|-----|

|       |     |
|-------|-----|
| HGNC: | 996 |
|-------|-----|

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000 |
|--------------------|---|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|         |   |
|---------|---|
| Buffer: | Ascitic fluid containing 0.03 % sodium azide. |
|---------|---|

|               |              |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

|                    |  |
|--------------------|--|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|--------------------|--|

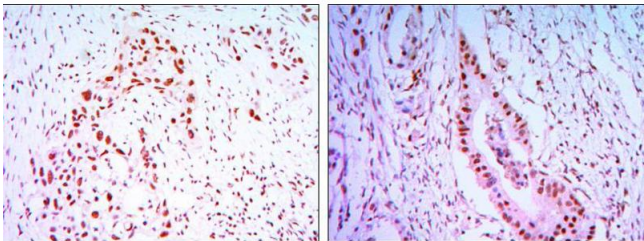
|          |             |
|----------|-------------|
| Storage: | 4 °C/-20 °C |
|----------|-------------|

|                  |                                  |
|------------------|----------------------------------|
| Storage Comment: | 4°C, -20°C for long term storage |
|------------------|----------------------------------|

## Publications

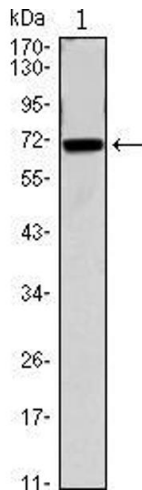
|                   |  |
|-------------------|--|
| Product cited in: | Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: <b>Journal of cell science</b> , Vol. 122, Issue Pt 13, pp. 2191-6, (2009) ( <a href="#">PubMed</a> ). |
|-------------------|--|

|  |  |
|--|--|
|  | Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: <b>Journal of medical genetics</b> , Vol. 46, Issue 10, pp. 649-56, (2009) ( <a href="#">PubMed</a> ). |
|--|--|



Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and colon cancer tissues (right) using CDC27 mouse mAb with DAB staining.



Western Blotting

**Image 2.** Western blot analysis using CDC27 mouse mAb against CDC27(AA: 724-830)-hlgGFc transfected HEK293 cell.