

Datasheet for ABIN129644  
**anti-CDC27 antibody (AA 422-430)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	CDC27
Binding Specificity:	AA 422-430
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC27 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding amino acids 422-430 of Human cdc27.
Isotype:	IgG

## Target Details

Target:	CDC27
Alternative Name:	CDC27 ( <a href="#">CDC27 Products</a> )
Background:	Cdc27 (also known as cell division cycle protein 27 homologue, CDC27Hs and H-NUC) shares strong similarity with Saccharomyces cerevisiae protein Cdc27, and the gene product of Schizosaccharomyces pombe nuc 2. Cdc27 is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eukaryotic cells.

## Target Details

APC catalyzes the formation of 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. Cdc27 has a nuclear localization.

Synonyms: Anaphase Promoting Complex Subunit 3 antibody, APC 3 antibody, CDC27Hs antibody, Cell Division Cycle 27 antibody, Cell division cycle protein 27 homolog antibody

Gene ID: 996, 167466175

UniProt: [P30260](#)

## Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 92 kDa in size corresponding to Cdc27 by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

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: -20 °C



#### Western Blotting

**Image 1.** Western blot using Affinity Purified anti-cdc27 antibody shows detection of a band ~90 kDa corresponding to human cdc27 (arrowhead). Approximately 35 ug of HeLa whole cell lysate was separated by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1.0 µg/ml for 2 h at room temperature followed by washes and reaction with a 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature. IRDye800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.