

Datasheet for ABIN129642
anti-CDC27 antibody (AA 415-445)



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Overview

Quantity:	100 µg
Target:	CDC27
Binding Specificity:	AA 415-445
Reactivity:	Human, Rat, Dog, Chicken, Chimpanzee
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Purpose:	CDC27 phospho S426 Antibody
Immunogen:	Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal portion of Human cdc27 amino acids 415-445 surrounding S426. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against the phosphorylated form of human CDC27 at the pS426 residue.
Characteristics:	Synonyms: rabbit anti-CDC27 pS426 Antibody, CDC 27, CDC-27, Cell division cycle protein 27 homolog, H-NUC, APC3, Anaphase-promoting complex subunit 3, ANAPC3
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	CDC27
Alternative Name:	CDC27, D0S1430E (CDC27 Products)
Background:	Background: Human CDC27 (also called Cell division cycle protein 27 homolog, CDC27Hs and H-NUC) shares strong similarity with <i>Saccharomyces cerevisiae</i> protein Cdc27. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eukaryotic cells. APC catalyzes the formation of a 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.
Gene ID:	996, 167466175
UniProt:	P30260

Application Details

Application Notes:	Application Note: 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 91 kDa in size corresponding to CDC27 by western blotting in the appropriate cell lysate or extract. Less than 1 % reactivity is observed against the non-phosphorylated form of the immunizing peptide. This antibody is phospho specific for pS426 of CDC27. Western Blot Dilution: 1:500 - 1:2,500 Immunoprecipitation Dilution: 1:100 ELISA Dilution: 1:5,000 - 1:25,000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months