# SANTA CRUZ BIOTECHNOLOGY, INC.

# Cdc11 (y-415): sc-7170



### BACKGROUND

Extracellular pheromones bind to cell surface receptors and stimulate the activation of the kinase Ste20. This leads to the activation of the MAPKKK Ste11 and the subsequent members of this MAP kinase cascade, Ste7, Fus3 (also called Dac2) and Kss1. These MAP kinases activate Ste12 and Far1, which effect transcriptional and morphological changes necessary for mating. Cdc42, a small GTP-binding protein, is thought to activate Ste20. Cdc42 also plays a role in the polarization of budding. Cla4, a homolog of Ste20, interacts with Cdc42 and is also involved in budding and cytokinesis. Cdc11 is also required for cytokinesis and is present at the bud neck during cell division. The kinase Elm1 regulates morphologic differentiation and is involved in controlling pseudohyphal growth.

#### REFERENCES

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### SOURCE

Cdc11 (y-415) is a rabbit polyclonal antibody raised against amino acids 1-415 of Cdc11 of *Saccharomyces cerevisiae* origin.

#### PRODUCT

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

#### **APPLICATIONS**

Cdc11 (y-415) is recommended for detection of Cdc11 of *Saccharomyces cerevisiae* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of Cdc11: 50 kDa.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

# DATA



Cdc11 (y-415): sc-7170. Western blot analysis of Cdc11 expression in *S. cerevisiae* whole cell lysate.

#### SELECT PRODUCT CITATIONS

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Try **Cdc11 (C-9): sc-166271**, our highly recommended monoclonal alternative to Cdc11 (y-415).