



Cdc24 (yC-17): sc-6795

BACKGROUND

One of the best characterized MAP kinase pathways is the yeast pheromone response pathway. Extracellular pheromones bind to cell surface receptors and lead to the activation of the MAPKKK Ste11 and the subsequent members of this cascade, Ste7, Fus3 (also designated 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 play a critical role in this pathway. Activity of Cdc42 is regulated in part by the guanylyl-nucleotide-exchange factor Cdc24 (also designated CIs4). Cells lacking Cdc24 are unable to respond to pheromone and also show defects in bud-site selection and bud emergence.

REFERENCES

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SOURCE

Cdc24 (yC-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Cdc24 of *Saccharomyces cerevisiae* origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-6795 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Cdc24 (yC-17) is recommended for detection of Cdc24 of *Saccharomyces cerevisiae* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

STORAGE

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

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.