



Rga1 (yN-20): sc-6796

BACKGROUND

The best characterized MAP kinase pathway to date 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 Rga1 (also designated Dbm1 or The1). Rga1 acts as a negative regulator of the pheromone response pathway and is thought to act as a GTPase-activating protein for Cdc42. Rga1 is also involved in bud site selection.

REFERENCES

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SOURCE

Rga1 (yN-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of Rga1 of *Saccharomyces cerevisiae* origin.

STORAGE

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

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-6796 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Rga1 (yN-20) is recommended for detection of Rga1 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.

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.