

## Anti-Cdc37 (*S. cerevisiae*) antibody, rabbit serum

# 62-302 100 µl

Cdc37 was initially identified as a cell division cycle control protein of *Saccharomyces cerevisiae* (1) and was later found to have a much broader role as a molecular chaperone required for folding of protein kinases (2). It forms a complex with Hsp90 and a variety of protein kinases and is thought to play a critical role in directing Hsp90 to its target kinases (3). Cdc37 has a molecular weight of 58.4 kD.

### Applications

1. Western blot (2,000 fold dilution)
  2. Immunoprecipitation
  3. Indirect immuno-staining
- Not tested for other applications.

### Specification

Product: Rabbit polyclonal antibody  
 Immunogen: Recombinant yeast Cdc37 expressed in *E. coli*  
 Form: Antiserum with 0.09% sodium azide  
 Reactivity: *S. cerevisiae* Cdc37, not tested with other species  
 Storage: -20°C. For long term storage, -70°C

### Data Link

SGD [CDC37/YDR168W](#)

### References

1. Reed SI "The selection of *S. cerevisiae* mutants defective in the start event of cell division" *Genetics* 95: 561-577 (1980) PMID: [7002718](#)
2. Kimura Y *et al* "Cdc37 is a molecular chaperone with specific functions in signal transduction" *Genes Dev* 11: 1775-1785 (1997) PMID: [9242486](#)
3. Stepanova L *et al* "Mammalian p50Cdc37 is a protein kinase-targeting subunit of Hsp90 that binds and stabilizes Cdk4" *Genes Dev* 10: 1491-1502 (1996) PMID: [8666233](#)

Fig. 1 Detection of Cdc37 protein in the crude extract of *S. cerevisiae* by Western blot using this antibody.

Lane 1: x 1000 dilution

Lane 2: x 5000 dilution

Cdc37 protein has a molecular weight of 58.4 kD, but appeared as a 68 kD band in SDS-PAGE.

