



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

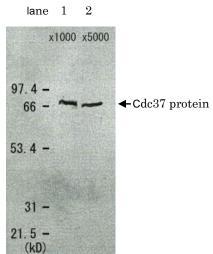
- 1. Reed SI "The selection of *S. cerevisiae* mutants defective in the start event of cell division" *Genetics* 95: 561-577 (1980) PMID: 7002718
- 2. Kimura Y *et al* "Cdc37 is a molecular chaperone with specific functions in signal transduction" *Genes Dev* 11: 1775-1785 (1997) PMID: <u>9242486</u>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

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.



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