

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

62-302 100 µl

Shipping and Storage: Shipped at 4°C or -20°C and store at -20°C (For longer storage, -80°C)

Immunogen: Recombinant yeast Cdc37 expressed in *E. coli*

Form: Rabbit antiserum added with 0.09% sodium azide

Reactivity: *S. cerevisiae* Cdc37, not tested with other species

Applications:

1. Western blotting (2,000 fold dilution)
2. Immunoprecipitation
3. Indirect immuno-staining

Not tested for other applications.

Background: 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 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.

Data Link : SGD [CDC37/YDR168W](https://www.yeastgenome.org/locus/S000000000CDC37)

References:

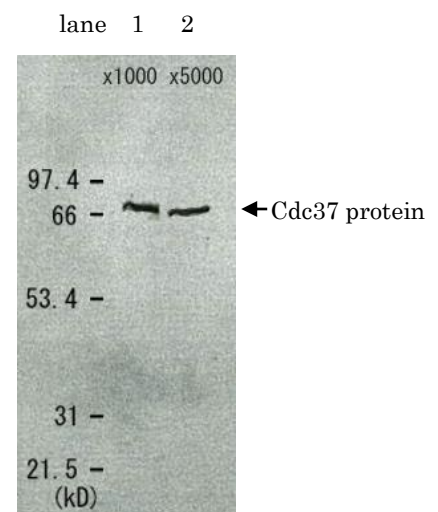
1. Reed SI "The selection of *S. cerevisiae* mutants defective in the start event of cell division" *Genetics* **95**: 561-577 (1980) PMID: [7002718](https://pubmed.ncbi.nlm.nih.gov/7002718/)
2. Kimura Y *et al* "Cdc37 is a molecular chaperone with specific functions in signal transduction" *Genes Dev* **11**: 1775-1785 (1997) PMID: [9242486](https://pubmed.ncbi.nlm.nih.gov/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](https://pubmed.ncbi.nlm.nih.gov/8666233/)

Fig.1 Detection of Cdc37 protein in the crude extract of *S. cerevisiae* by Western blotting 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.



Related Product: [#62-301](#) anti-Rnq (*S. cerevisiae*) antibody