

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

Product code	62-302
Size	100 µl
Storage	Store 4°C for short term For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.09% sodium azide
Purity	Rabbit antiserum
Immunogen	Recombinant yeast Cdc37 expressed in <i>E. coli</i>
Isotype	Rabbit IgG
Reactivity	<i>S. cerevisiae</i> Cdc37, not tested with other species
Special notes	N/A
Application	1. Western blotting (1/ 2,000) 2. Immunoprecipitation 3. Indirect immuno-staining Not tested for other applications.
Background	Cdc37 was initially identified as a cell division cycle control protein of <i>Saccharomyces cerevisiae</i> (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
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 62-302 Anti-Cdc37 (*S. cerevisiae*) antibody, rabbit serum

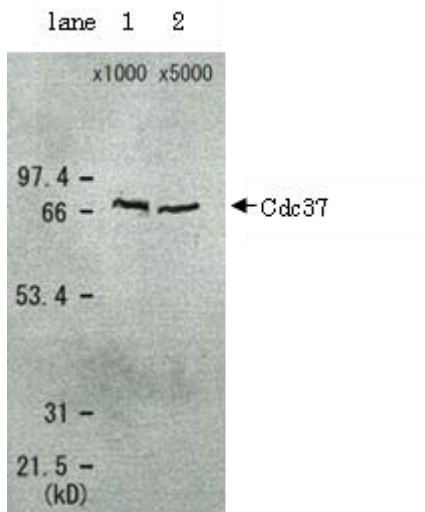


Fig.1 Detection of Cdc37 protein in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

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.

Reference:

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](#)

Related Product:

62-301 anti-Rnq1 (*S. cerevisiae*) antibody, rabbit polyclonal