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

62-302　100 ul

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.

Applications

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

Not tested for other applications.

Product:　Rabbit polyclonal antibody

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

Form:　Rabbit antiserum added with 1 X PBS, 50% glycerol, 0.09 % sodium azide

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

Storage:　-20℃ (For longer storage, -70℃)

Data Link : SGD CDC37/YDR168W

References:

1. Reed,S.I. "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

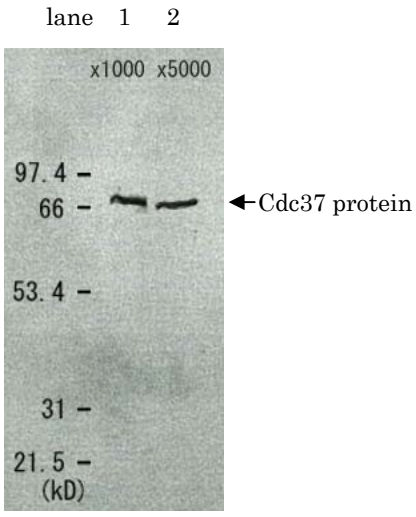

Fig.1 Detection of Cdc37 protein in the crude extract of *S. cerevisiae* by Western blotting using this antibody.
lane 1: x 1000 dilution
lane 2: x 5000 dilution
Cdc37 protein has a molecular weight of 58.4 kD, but appeared as a 68 kD band in SDS-PAGE.

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

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