



**POLYCLONAL ANTIBODY**

*For research use only. Not for clinical diagnosis.*

**Catalog No. BAM-62-302-EX**

## Anti-Cdc37 (*S. cerevisiae*)

### 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.

<b>Product type</b>	Primary antibodies
<b>Host</b>	Rabbit
<b>Source</b>	Serum
<b>Form</b>	Liquid
	Antiserum added with 0.09% sodium azide
<b>Volume</b>	100 µl
<b>Concentration</b>	
<b>Specificity</b>	Cdc37
<b>Antigen</b>	Recombinant yeast Cdc37 expressed in <i>E. coli</i>
<b>Isotype</b>	

**Application notes** WB, IP, Indirect immuno-staining Not tested for other applications.

### Recommended use

### Recommended dilutions

Western blotting: 2,000 fold dilution

Optimal dilutions/concentrations should be determined by the end user.

Data Link: SGD [CDC37/YDR168W](#)

### Staining Pattern

**Cross reactivity** *S. cerevisiae* Cdc37, not tested with other species

**Storage** -20°C (for long period, -70°C)

- 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](#)

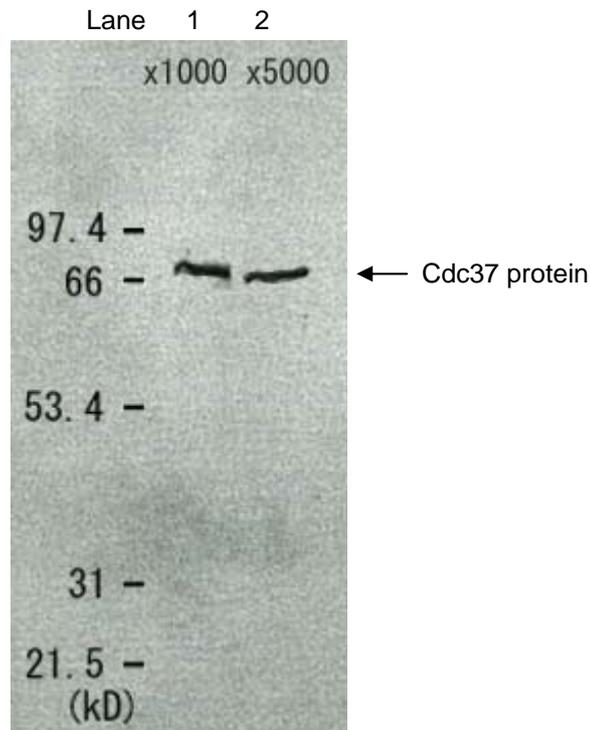


Fig.1 Detection of Cdc37 protein in the crude extract of *S. cerevisiae* by Western blotting using this antibody.  
lane 1: x 1000 dilution  
lane 2: x 5000 dilution  
Cdc37 protein has a molecular weight of 58.4 kD, but appeared as a 68 kD band in SDS-PAGE.

**Related Products**

BAM-62-300-EX	Anti-Sup35/PSI+ ( <i>S.cerevisiae</i> ) antibody
BAM-62-301-EX	Anti-Rnq 1( <i>S. cerevisiae</i> ) antibody

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TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

[http://www.cosmobio.co.jp/index\\_e.asp](http://www.cosmobio.co.jp/index_e.asp)

E-mail: [export@cosmobio.co.jp](mailto:export@cosmobio.co.jp)

Phone : +81-3-5632-9617

FAX : +81-3-5632-9618