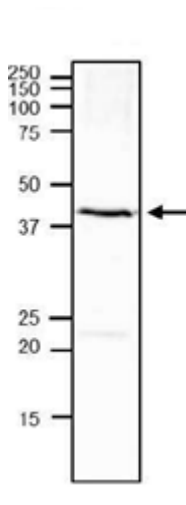


## Anti-Rnq1 (*S.cerevisiae*) antibody, rabbit polyclonal

<b>Product code</b>	62-301
<b>Size</b>	100 µg
<b>Storage</b>	-20°C
<b>Concentration</b>	1.0 mg/ml
<b>Buffer</b>	50 % glycerol in PBS-
<b>Purity</b>	Purified IgG fraction with protein A from rabbit antiserum.
<b>Immunogen</b>	Synthetic peptide CSQQNNNGNQNRV corresponding to the C-terminus region of Rnq1
<b>Isotype</b>	Rabbit IgG
<b>Reactivity</b>	<i>S. cerevisiae</i> , not tested with other species
<b>Special notes</b>	N/A
<b>Application</b>	1. Western blotting (1/1000 dilutions ) Not tested for other applications.
<b>Background</b>	The glutamine- and asparagine-rich protein, <b>Rnq1</b> , is a putative yeast prion. <b>Rnq1</b> protein with yet unknown function, can exist in either noninfectious soluble monomer form, [ <i>pin</i> ], or the insoluble aggregated amyloid-like form called [ <i>PIN<sup>r</sup></i> ]. The insoluble state is dominant and transmitted between cells through the cytoplasm. <b>Rnq1</b> protein is necessary for the <i>de novo</i> induction of another prion, [ <i>PSI<sup>r</sup></i> ]. The molecular chaperone Hsp104 is necessary for the aggregate formation of polyglutamine and for the maintenance of prion phenotype. The pre-existing aggregates are required for the chaperon-dependent establishment of the epigenetic trait in yeast prions (Ref).
<b>Data Link</b>	UniProtKB <a href="#">P25367</a> SGD <a href="#">RNQ1/YCL028W</a>
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 62-301 Rnq1 (*S. cerevisiae*) antibody, rabbit polyclonal



**Fig.1** Western blot of endogenous Rnq1 in *S. cerevisiae*.

Crude extract of *S. cerevisiae* strain BY4741 (35 µg) was analyzed by western blotting by using the anti-Rnq1 antibody at 1/1,000 dilution. Molecular mass is 42.6 kDa

**Reference:** This antibody has been used in the following reference.

1. Kimura Y *et al* "The role of pre-existing aggregates in Hsp104-dependent polyglutamine aggregate formation and epigenetic change of yeast prions" *Genes to Cells* 9: 685-696 (2004) PMID: [15298677](https://pubmed.ncbi.nlm.nih.gov/15298677/)  
WB (*S. cerevisiae*)

**Related products:**

62-300 anti-Sup35/PSI+ (*S. cerevisiae*) antibody, rabbit polyclonal

62-302 anti-Cdc37 (*S. cerevisiae*) antibody, rabbit serum