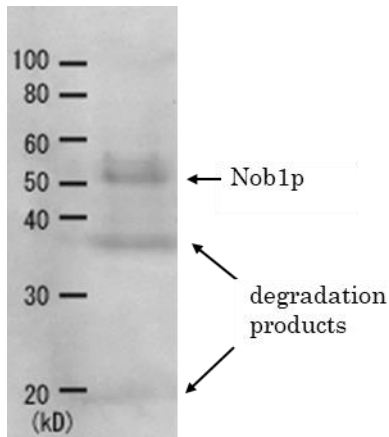


## Anti-Nob1(*S. cerevisiae*) antibody, rabbit polyclonal

<b>Product code</b>	62-211
<b>Size</b>	100 µl
<b>Storage</b>	-20°C
<b>Concentration</b>	N/A
<b>Buffer</b>	1 mg/ml BSA, 0.09 % sodium azide and 50% glycerol in PBS-
<b>Purity</b>	IgG fraction purified with recombinant Nob1p from rabbit antiserum
<b>Immunogen</b>	Recombinant yeast Nob1 expressed in <i>E. coli</i>
<b>Isotype</b>	Rabbit IgG
<b>Reactivity</b>	<i>S. cerevisiae</i> Nob1 protein Not tested with other species.
<b>Special notes</b>	N/A
<b>Application</b>	1. Western blotting (-1/400) 2. Immunoprecipitation Not tested for other applications
<b>Background</b>	The 26 S proteasome is a protein complex with a molecular mass of ~2,000 kDa. It is essential not only for eliminating damaged or misfolded proteins but also for degrading short lived regulatory proteins involved in cell cycle regulation, DNA repair, signal transduction, apoptosis, and metabolic regulation (1). <b>Nob1p</b> is essential nuclear protein required for biogenesis of the 26S proteasome (2). <b>Nob1p</b> is speculated to serve as a chaperone to join the 20S proteasome with the 19S regulatory particle in the nucleus and to be degraded upon the maturation of the 26S proteasome (3). <b>Nob1p</b> is composed of 459 amino acid residues.
<b>Data Link</b>	SGD <a href="#">NOB1/YOR056C</a>
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 62-211 Anti-Nob1 (*S. cerevisiae*) antibody, rabbit polyclonal



**Fig.1** Detection of Nob1p (51.7kDa) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

**Reference:** This antibody has been used in Ref.1 and Ref.2.

1. Tone Y *et al* "Nob1p, a new essential protein, associates with the 26S proteasome of growing *Saccharomyces cerevisiae* cells" *Gene* **243**:37-45 (2000) PMID: [10675611](https://pubmed.ncbi.nlm.nih.gov/10675611/)
2. Tone Y and Toh-e A "Nob1p is required for biogenesis of the 26S proteasome and degraded upon its maturation in *Saccharomyces cerevisiae*" *Genes & Dev* **16** :3142-3157 (2002) PMID: [12502737](https://pubmed.ncbi.nlm.nih.gov/12502737/)

**Related products:**

- 62-200 anti-Rpn1 (*S. cerevisiae*) antibody, rabbit serum
- 62-201 anti-Rpn3 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-203 anti-Rpn5 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-205 anti-Rpn7 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-207 anti-Rpn9 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-209 anti-Rpn12 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-213 anti-Nas6/p28 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-215 anti-Tem1 (*S. cerevisiae*) antibody, rabbit polyclonal