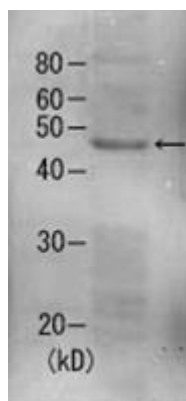


## Anti-Rpn7(*S. cerevisiae*) antibody, rabbit polyclonal

<b>Product code</b>	62-205
<b>Size</b>	100 µl
<b>Storage</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Concentration</b>	N/A
<b>Buffer</b>	100 mM NaCl, 10 mM Tris-HCl pH 7.4, 0.05 % sodium azide
<b>Purity</b>	IgG fraction purified with recombinant Rpn7p from rabbit antiserum
<b>Immunogen</b>	Recombinant yeast Rpn7p expressed in <i>E. coli</i> (Ref. 4)
<b>Isotype</b>	Rabbit IgG
<b>Reactivity</b>	<i>S. cerevisiae</i> Rpn7 protein Not tested with other species.
<b>Special notes</b>	N/A
<b>Application</b>	1. Western blotting (1/1000) 2. Immunoprecipitation Not tested for other applications
<b>Background</b>	The 26 S proteasome is a protein complex with a molecular mass of ~2000 kDa and is highly conserved among eukaryotic organisms. 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). Rpn7 is one of the lid subunits of the 26 S proteasome regulatory particle (1, 2). The RPN7 gene is known to be essential and required for the integrity of the 26 S complex by establishing a correct lid structure (3, 4).
<b>Data Link</b>	SGD <a href="#">RPN7/YPR108W</a>
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 62-205 Anti-Rpn7 (*S. cerevisiae*) antibody, rabbit polyclonal



**Fig.1** Detection of Rpn7 (49kDa) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

**Reference:** This product was used in ref. 3 and 4

1. Hershko A and Ciechanover A "THE UBIQUITIN SYSTEM" *Annu Rev Biochem* **67**: 425-479 (1998)  
PMID: [9759494](#)
2. Finley D *et al* "Unified nomenclature for subunits of the *Saccharomyces cerevisiae* proteasome regulatory particle" *Trends Biochem Sci* **23**: 244-245 (1998) PMID [9697412](#)
3. Isono E *et al* "Rpn7 Is required for the structural integrity of the 26 S proteasome of *Saccharomyces cerevisiae*" *J Biol Chem* **279**:27168-76 (2004) PMID: [15102831](#)
4. Isono E *et al* "The assembly pathway of the 19S regulatory particle of the yeast 26S proteasome" *Mol Biol Cell* **18**:569-76 (2007) PMID: [17135287](#)

**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
- 62-207 anti-Rpn9 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-209 anti-Rpn12 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-211 anti-Nob1 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-213 anti-Nas6/p28 (*S. cerevisiae*) antibody, rabbit polyclonal
- 62-215 anti-Tem1 (*S. cerevisiae*) antibody, rabbit polyclonal