

Anti-Rpn5(*S. cerevisiae*) antibody, rabbit polyclonal

Product code	62-203
Size	100 µl
Storage	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	100 mM NaCl, 10 mM Tris-HCl pH 7.4, 0.05 % sodium azide
Purity	IgG fraction purified with recombinant Rpn5p from rabbit antiserum
Immunogen	Recombinant yeast Rpn5p expressed in <i>E. coli</i>
Isotype	Rabbit IgG
Reactivity	<i>S. cerevisiae</i> Rpn5 protein Not tested with other species.
Special notes	N/A
Application	1. Western blotting (1/1000) 2. Immunoprecipitation Not tested for other applications
Background	The 26 S proteasome is a protein complex with a molecular mass of ~2000 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). Rpn5p is essential, non-ATPase regulatory subunit of the 26S proteasome lid, similar to mammalian p55 subunit and to another <i>S. cerevisiae</i> regulatory subunit, Rpn7 (2, 3). It consists of 445 amino acids with molecular weight of 51,768.
Data Link	SGD RPN3/YER021W
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 62-203 Anti-Rpn5 (*S. cerevisiae*) antibody, rabbit polyclonal

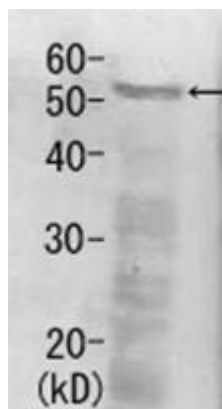


Fig.1 Detection of Rpn5 (52kDa) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

Reference: This product was used in ref. 3

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* "The assembly pathway of the 19S regulatory particle of the yeast 26S proteasome" *Mol Biol Cell* **18**: 569-576 (2007) PMID: [17135287](#)

Related products:

- 62-200 anti-Rpn1 (*S. cerevisiae*) antibody, rabbit serum
- 62-201 anti-Rpn3 (*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
- 62-211 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