



POLYCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. BAM-62-205-EX

## Anti-Rpn7 (*S. cerevisiae*), affinity purified

### BACKGROUND

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).

Product type	Primary antibodies
Host	Rabbit
Source	
Form	Liquid
	Purified IgG in 100 mM NaCl, 10 mM Tris-HCl pH 7.4, 0.05 % sodium azide
Volume	100 µl
Concentration	
Specificity	
Antigen	Recombinant yeast Rpn7p expressed in <i>E. coli</i> (Ref. 4)
Isotype	

Application notes WB, IP Not tested for other applications  
Recommended use

### Recommended dilutions

Western blotting: ~1000 fold dilution

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

Data Link: SGD [RPN7/YPR108W](#)

### Staining Pattern

Cross reactivity *S. cerevisiae* Rpn7p. Not tested with other species.

Storage -20°C To avoid repeated freezing and thawing, store the antibody in aliquots.

### References

(This product was used in ref. 3 and 4)

- 1) Herskho 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](#)

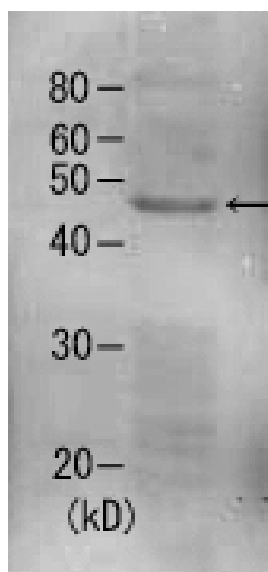


Fig.1 Detection of Rpn7 (49kDa) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

**Related Products**

BAM-62-201-EX	Anti-Rpn3
BAM-62-203-EX	Anti-Rpn5
BAM-62-207-EX	Anti-Rpn9
BAM-62-209-EX	Anti-Rpn12
BAM-62-211-EX	Anti-Nob1
BAM-62-213-EX	Anti-Nas6
BAM-62-215-EX	Anti-Tem1

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