

Anti-Rpn3 (*S. cerevisiae*) antibody, rabbit serum

62-201 100 µl

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). The Rpn3p is essential, non-ATPase regulatory subunit of the 26S proteasome lid, similar to the p58 subunit of the human 26S proteasome (2, 3, 4).

Applications

- 1) Western blot (~1000 fold dilution)
 - 2) Immunoprecipitation
- Not tested for other applications.

Specification

Product: Rabbit antiserum

Immunogen: Recombinant yeast Rpn3p expressed in *E. coli*

Form: Rabbit serum with 0.05 % sodium azide

Reactivity: *S. cerevisiae* Rpn3p. Not tested with other species.

Storage: 4°C or if stored frozen, aliquot to avoid repeated freezing and thawing.

Data Link

SGD [RPN3/YER021W](#)

References

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 (1988) PMID [9697412](#)
3. Glickman MH *et al* "A subcomplex of the proteasome regulatory particle required for ubiquitin-conjugate degradation and related to the COP9-signalosome and eIF3" *Cell* 94: 615-623 (1998) PMID: [9741626](#)
4. Isono E *et al* "Rpn7 is required for the structural integrity of the 26S proteasome of *Saccharomyces cerevisiae*" *J Biol Chem* 279: 27168-27176 (2004) PMID: [15102831](#)

Fig.1. Detection of Rpn3 (60kDa) in the crude extract of *S. cerevisiae* by Western blot using this antibody.

