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

62-201　100 ul

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). 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 blotting (~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 added with 0.05 % sodium azide

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

Storage: Shipped at 4℃ or -20℃, and upon arrival, aliquot and store at -20℃.

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

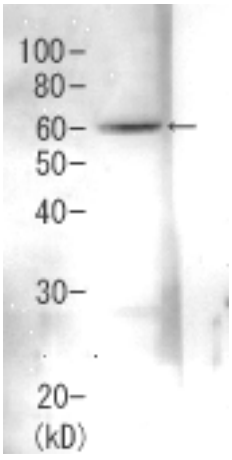

Fig.1 Detection of Rpn3 (60kDa) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

Related products: #62-203 anti-Rpn5, #62-205 anti-Rpn7, #62-207 anti-Rpn9, #62-209 anti-Rpn12, #62-211 anti-Nob1, #62-213 anti-Nas6, #62-215 anti-Tem1

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