



Anti-Rpn5

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 p53 subunit and to another *S. cerevisiae* regulatory subunit, Rpn7 (2, 3,). It consists of 445 amino acids with molecular weight of 51,768.

Product type	Primary antibodies
Host	Rabbit
Source	Serum
Form	Liquid
Volume	100ul
Concentration	Purified IgG in 100 mM NaCl, 10 mM Tris-HCl pH 7.4, 0.05 % sodium azide
Specificity	<i>S. cerevisiae</i> Rpn5p.
Antigen	Recombinant yeast Rpn5p expressed in <i>E. coli</i>
Clone	
Isotype	

Application notes WB, IP, Not tested for other application

Recommended use

Recommended dilutions

Western Blotting: ~1/ 1000

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

Staining Pattern

Cross reactivity 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

- 1) Hershko, A., and Ciechanover, A. THE UBIQUITIN SYSTEM Annu. Rev. Biochem. 67, 425-479 (1998)
- 2) Finley D, et al. Unified nomenclature for subunits of the *Saccharomyces cerevisiae* proteasome regulatory particle. Trends Biochem Sci 23:244 (1998)
- 3) Isono E, et al. The assembly pathway of the 19S regulatory particle of the yeast 26S proteasome. Mol. Biol. Cell 18: 569 (2007)

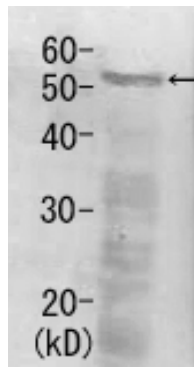


Figure. Detection of Rpn5 (52 kDa) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

Related products:

#62-201 anti-Rpn3, #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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