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Inspiration for Life Science

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Catalog No. 62-211EX

Anti-Nob1 (*S.cerevisiae*) antibody, affinity purified

Background: The 26 S proteasome is a protein complex with a molecular mass of ~2,000 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). **Nob1p** is essential nuclear protein required for biogenesis of the 26S proteasome (2). **Nob1p** is speculated to serve as a chaperone to join the 20S proteasome with the 19S regulatory particle in the nucleus and to be degraded upon the maturation of the 26S proteasome (3). **Nob1p** is composed of 459 amino acid residues.

Applications

1) Western blotting (~400 fold dilution) 2) Immunoprecipitation

Not tested for other applications.

Specification

Product: Rabbit polyclonal antibody affinity purified with recombinant Nob1p

Immunogen: Recombinant yeast Nob1p expressed in *E. coli*

Form: Purified IgG (unknown concentration) in PBS, 1 mg/ml BSA as carrier, 0.09 % sodium azide, 50% glycerol

Size: 100 ul

Reactivity: *S. cerevisiae* Nob1p. Not tested with other species

Storage: -20℃

Data Link SGD NOB1/YOR056C

References: This product was used in ref. 1 and 2

1. Tone Y *et al* "Nob1p, a new essential protein, associates with the 26S proteasome of growing *Saccharomyces cerevisiae* cells" *Gene* **243**:37-45 (2000) PMID: 10675611
2. Tone Y and Toh-e A "Nob1p is reqired for biogenesis of the 26S proteasome and degraded upon its maturation in *Saccharomyces cerevisiae*" *Genes & Dev* **16** :3142-3157 (2002) PMID: 12502737

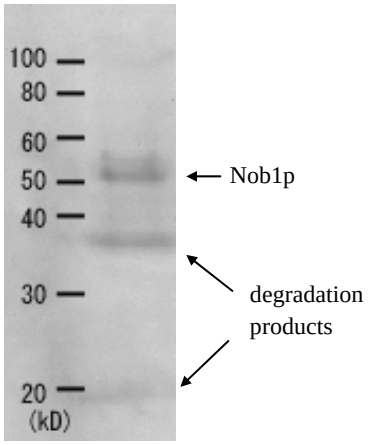

Fig.1 Detection of Nob1p (51.7kD) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

Related products: # 62-201EX anti-Rpn3, #62-203EX anti-Rpn5, #62-205EX anti-Rpn7, #62-207EX anti-Rpn9, #62-209EX anti-Rpn12, #62-213EX anti-Nas6, #62-215EX anti-Tem1