



anti-Rpn1 / Nas 1 (*S.cerevisiae*) antibody, rabbit polyclonal

62-200 100 ul

Background: The 26 S proteasome is a protein complex with a molecular mass of $\sim 2,000$ 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). The 26S proteasome is composed of the 20S core particle (CP) and the 19S regulatory particle (RP). The RP is further subdivided into lid and base sub-complexes. **Rpn1** is a proteasome-interacting protein which acts as a chaperon to assemble the base sub-complex of the 19S RP. **Rpn1** is composed of 993 amino acid residues with calculated molecular masses of 109 kDa .

Applications:

1) Western blotting (1,000~2,000 fold dilution)

Not tested for other applications

Product: Rabbit antiserum added with 0.1% sodium azide

Immunogen: Synthetic peptide corresponding to a C-terminal region of Rpn (849~860).

Reactivity: *S. cerevisiae* Rpn1/Nas1. Not tested with other species

Storage: Sent at 4 °C or -20 °C. Upon arrival aliquot and store at -20 °C

Data Link.: UniProKB [P38764](#) RPN1 of *S. cerevisiae*.

References:

Tsurumi C. et al. cDNA cloning and functional analysis of the p97 subunit of the 26S proteasome, a polypeptide identical to the type-1 tumor-necrosis-factor-receptor-associated protein-2/55.11. [Eur J Biochem.](#) 1996 239:912-21.



◀ 100

◀ 75

◀ 50

◀ 37

Fig.1 Detection of Rpn1 in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

Crude cell extract of *S. cerevisiae* (20 ug) was analysed by western blotting using anti-Rpn1 antibody at 1/1,000 dilution. Blotting should be done in wet system. Molecular mass of Rpn1 is 109 kDa

Related products: [#62-203 anti-Rpn5](#), [#62-205 anti-Rpn7](#), [#62-207 anti-Rpn9](#),
[#62-209 anti-Rpn12](#),[#62-211anti-Nob1](#), [#62-215 anti-Tem1](#)

