

Anti-Rpn9 (*S. cerevisiae*) antibody, rabbit polyclonal

62-207 100 µl

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 (ref.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. Rpn9 is one of the non-ATPase subunits of lid. Rpn9 plays a key role in facilitating the assembly of the 26S proteasome or in stabilizing the structure of the 26S proteasome. Rpn9 null mutant is temperature sensitive and exhibits cell cycle and proteasome assembly defects.

For this product, the IgG fraction of rabbit polyclonal antibody against Rpn9, GST antibody was removed by passing through GST affinity column.

Applications

- 1) Western blot 1/1,000~1/2,000
- 2) Immunoprecipitation

Specification

Immunogen: GST-full length Rpn9 fusion protein expressed in *E. coli*

Form: Purified IgG in PBS, 1 mg/ml BSA, 0.09% sodium azide, 50% glycerol

Reactivity: *S. cerevisiae* Rpn9, not tested with other species

Storage: Ship at 4°C or -20°C and upon arrival, centrifuge and store at -20°C

Data Link SGD [RPN9/YDR427W](https://www.yeastgenome.org/locus/RPN9/YDR427W)

References: This antibody has been used in Ref. 2

Takeuchi J *et al* "Rpn9 is required for efficient assembly of the yeast 26S proteasome." *Mol Cell Biol* 19:6575-6584 (1999) PMID: [10490597](https://pubmed.ncbi.nlm.nih.gov/10490597/) WB

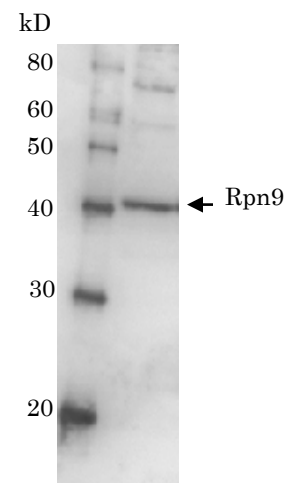


Fig.1 Detection of Rpn9 (46kD) in the crude extract of *S. cerevisiae* by Western blot using this antibody.

Distributed by AS ONE International, Inc.