

Datasheet for ABIN2452112

anti-PSMD8 antibody**2** Images**3** Publications[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	PSMD8
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMD8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant yeast Rpn12 expressed in E. coli
Isotype:	IgG
Purification:	Affinity purified

Target Details

Target:	PSMD8
Alternative Name:	Rpn12 (PSMD8 Products)
Background:	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. 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-

Target Details

complexes. Rpn12 is one of the non-ATPase subunits of the lid. Rpn12 interacts with an ATPase subunit, Rpt1, of the base. Rpn12, Rpt1 double mutant becomes lethal, suggesting a strong interaction between Rpn12 and Rpt1. In the double mutant cells, the function of the 26S proteasome is completely eliminated.

Pathways:

[Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Proton Transport](#), [Synthesis of DNA](#), [SARS-CoV-2 Protein Interactome](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes:

1) Western blotting: 1/5,000~1/10,000
2) Immunoprecipitation
Other applications have not been tested.

Restrictions:

For Research Use only

Handling

Format:

Liquid

Buffer:

PBS, 1 mg/mL BSA, 0.09 % sodium azide, 50 % glycerol

Preservative:

Sodium azide

Precaution of Use:

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

-20 °C

Publications

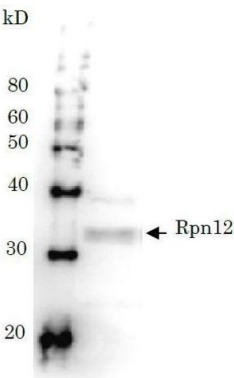
Product cited in:

Dabrowski, Olszewski, Piatek, Kur: "Novel thermostable ssDNA-binding proteins from *Thermus thermophilus* and *T. aquaticus*-expression and purification." in: **Protein expression and purification**, Vol. 26, Issue 1, pp. 131-8, (2002) ([PubMed](#)).



Western Blotting

Image 1.



Western Blotting

Image 2.

Fig.1 Detection of Rpn12 (32kD) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.