

Datasheet for ABIN2452116
anti-PSMD13 antibody (full length)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PSMD13
Binding Specificity:	full length
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	GST-full length Rpn9 fusion protein expressed in E. coli
Isotype:	IgG
Cross-Reactivity (Details):	Not tested in other species.
Characteristics:	IgG fraction of rabbit polyclonal antibody against Rpn9. GST antibody was removed by passing through GST affinity column.
Purification:	Affinity purified

Target Details

Target:	PSMD13
Alternative Name:	Rpn9 (PSMD13 Products)
Background:	Background: The 26 S proteasome is a protein complex with a molecular mass of 2,000 kDa. It

Target Details

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-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.

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: 1) Western blotting: 1/1,000~1/2,000
2) Immunoprecipitation

Restrictions: For Research Use only

Handling

Format: Liquid

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

Preservative: Sodium azide

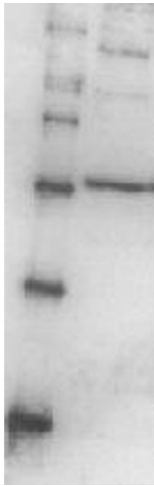
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Upon arrival centrifuge briefly, aliquot and store at -20 C

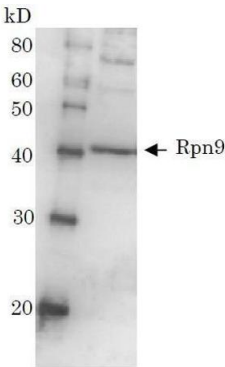
Publications

Product cited in: Walker: "Understanding the complexity of an organism's responses to DNA damage." in: **Cold Spring Harbor symposia on quantitative biology**, Vol. 65, pp. 1-10, (2003) ([PubMed](#)).



Western Blotting

Image 1.



Western Blotting

Image 2.

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