



Anti-RPN12 polyclonal antibody (DPAB3132RS)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Rpn12
Antigen Description	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. 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.
Specificity	<i>S. cerevisiae</i> Rpn12, not tested with other species
Immunogen	Recombinant yeast Rpn12 expressed in <i>E. coli</i>
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Yeast
Conjugate	Unconjugated
Applications	WB, IP
Format	Affinity purified IgG in PBS, 1 mg/ml BSA, 0.09 % sodium azide, 50% glycerol
Size	20 µl
Preservative	None
Storage	-20°C.

GENE INFORMATION

Gene Name	RPN12 Rpn12p [Saccharomyces cerevisiae S288c]
Official Symbol	RPN12
Synonyms	RPN12; Rpn12p; NIN1; NP_116710.1; YFR052W; Rpn12; Eukaryota; Fungi; Ascomycota; Saccharomycotina (true yeasts); Taphrinomycotina; Schizosaccharomycetes (fission yeasts); Basidiomycota; Agaricomycotina; Tremellomycetes; Pucciniomycotina; Microbotryomycetes
Entrez Gene ID	850613
Protein Refseq	NP_116710
UniProt ID	P32496
Pathway	Proteasome; Proteasome Degradation; Proteasome, 19S regulatory particle (PA7).
Function	molecular_function