



# Anti-RPN9 (full length) polyclonal antibody (DPAB3131RS)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Rpn9
<b>Antigen Description</b>	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.
<b>Specificity</b>	<i>S. cerevisiae</i> Rpn9, not tested with other species
<b>Immunogen</b>	GST-full length Rpn9 fusion protein expressed in <i>E. coli</i>
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	<i>Saccharomyces cerevisiae</i>
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP
<b>Format</b>	Purified IgG in PBS, 1 mg/ml BSA, 0.09% sodium azide, 50% glycerol Antiserum containing anti-Rpn9 antibody was passed through a GST-Sepharose column to remove anti-GST antibody. Anti-Rpn9 antibody in the pass-through fraction was further purified on a

<b>Size</b>	100 µl
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	-20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RPN9 Rpn9p [ <i>Saccharomyces cerevisiae</i> S288c ]</a>
<b>Official Symbol</b>	RPN9
<b>Synonyms</b>	RPN9; Rpn9p; NP_010715.1; YDR427W; Rpn9; Eukaryota; Fungi; Ascomycota; Saccharomycotina (true yeasts); Taphrinomycotina; Schizosaccharomycetes (fission yeasts); Basidiomycota; Agaricomycotina; Tremellomycetes; Pucciniomycotina; Microbotryomycetes
<b>Entrez Gene ID</b>	<a href="#">852037</a>
<b>Protein Refseq</b>	<a href="#">NP_010715</a>
<b>UniProt ID</b>	<a href="#">Q04062</a>
<b>Pathway</b>	Proteasome; Proteasome Degradation; Proteasome, 19S regulatory particle (PA7).
<b>Function</b>	structural molecule activity