

Anti-Sup35/PSI+ (*S.cerevisiae*) antibody, rabbit polyclonal

Product code	62-300
Size	100 µl
Storage	-20°C
Concentration	4.0 mg/ml
Buffer	PBS ⁻ with 50% glycerol added 0.09% sodium azide
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Synthetic peptide corresponding to aa494-507 of Sup35
Isotype	Rabbit IgG
Reactivity	<i>S. cerevisiae</i> , not tested with other species
Special notes	N/A
Application	1. Western blotting (1/1000-1/2000 dilutions) Not tested for other applications.
Background	Sup35 protein of <i>S. cerevisiae</i> is the translation termination factor eRF3. The altered conformation of this protein generates the [<i>PSI</i> ⁺] prion phenotype. In this state, a dominant cytoplasmically inherited protein aggregates are formed which sequester the normal function of Sup35 thereby nonsense suppressor phenotype is created. The molecular chaperon Hsp104 is necessary for the formation and maintenance of the aggregates.
Data Link	UniProtKB P05453 (ERF3_YEAST)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 62-300 Anti-Sup35/PSI+ (S.cerevisiae) antibody, rabbit polyclonal

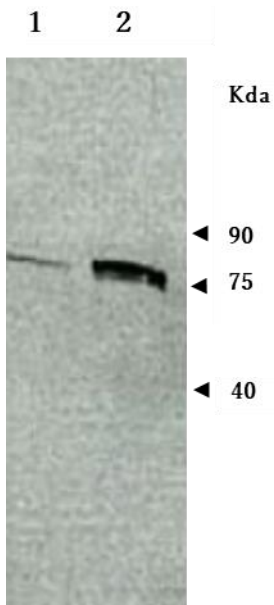


Fig.1 Identification of Sup35 protein in crude extracts of *S. cerevisiae* by western blotting with anti-Sup35 antibody.

1. Endogenous expression in *S. cerevisiae*.
 2. Overexpression of Sup35 protein by introduction of a plasmid carrying Sup35 gene into *S. cerevisiae*.
- Anti-Sup35 antibody was used at 1/2,000 dilution.
Sup35 protein was identified about 77 kDa position (Molecular mass of Sup35 is 76.6 kDa) .

Reference: This antibody has been used in the following reference.

Kimura Y et al “The role of pre-existing aggregates in Hsp104-dependent polyglutamine aggregate formation and epigenetic change of yeast prions” *Genes to Cells* 9: 685-696 (2004)

PMID: [15298677](https://pubmed.ncbi.nlm.nih.gov/15298677/) WB (*S. cerevisiae*)