

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

62-300 100 ul

Sup35 protein of *S. cerevisiae* is the translation termination factor eRF3. The altered conformation of this protein generates the [PSI+] prion phenotype (1). In this state, a dominant cytoplasmically inherited protein aggregates are formed which sequester the normal function of Sup35 thereby nonsense suppressor phenotype is created (2). The molecular chaperon Hsp104 is necessary for the formation and maintenance of the aggregates (3, 4).

Applications

Western blotting (1,000~2,000 fold dilution). Not tested for other applications.

Specifications

Product: Rabbit polyclonal antibody, purified IgG fraction

Immunogen: Synthetic peptide corresponding to a.a. 494-507 of Sup35

Form: Purified IgG 8 mg/ml in PBS, 50% glycerol, 0.09% sodium azide

Reactivity: *S. cerevisiae* Sup35, not tested with other species

Storage: -20°C (for longer period, -70°C)

Data Link SGD [SUP35/YDR172W](#)

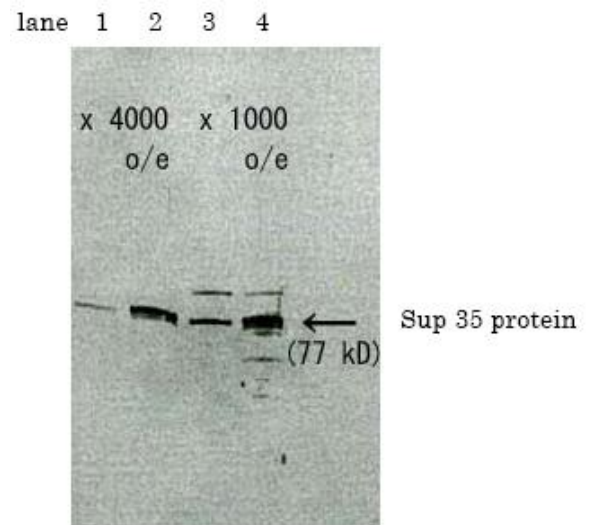
Fig.1 Detection of Sup35 protein in crude extract of *S. cerevisiae* by Western blotting with this antibody.

Lane 1, 2: x 4000 dilution

Lane 3, 4: x 1000 dilution

Lane 1, 3: endogenous expression

Lane 2, 4: over expression



References

This antibody was used in ref.4.

1. Paushkin SV et al EMBO Journal 15: 3127-3134 (1996) PMID: [8670813](#)
2. Salnikova AB et al J Biol Chem 280: 8808-8812 (2005) PMID: [15618222](#)
3. Chernoff YO et al Science 268: 880-884 (1995) PMID: [7754373](#)
4. Kimura Y et al Genes to Cells 9: 685-696 (2004) PMID: [15298677](#)