

Anti-Gcn5p (*S. cerevisiae*) antibody, rabbit antiserum

62-003 100 ul

Storage: Sent at 4 °C, and store at -20°C

Reactivity: *S. pombe* Gcn5 protein

Immunogen: Recombinant Gcn5 protein (His-tagged 1-300 amino acids)

Applications: Western blotting. (Not tested for other applications)

Form: Whole rabbit antiserum added with 0.1% sodium azide

Function: AGA (Spt-Ada-Gen5 histone acetyltransferase complex) is a histone acetylase complex which has Gcn5p as a catalyst subunit and has functions overlapping with the fundamental transcription factor TFIID which has Taf1p as a catalyst subunit. However, SAGA and TFIID have different allotments and each accomplishes the important role in the transcription for Housekeeping gene group and Stress Responding gene group. Also, SAGA is a gigantic protein complex which is composed of Ada protein group (5 kinds), TBP related protein group (4 kinds), TAF protein group (5 kinds that also pertain to TFIID), and other protein groups (>6 kinds). It has the molecular functions such as chemical modification of histone, recruitment by direct interaction of transcription regulating factor on DNA, and control of transcription starting reaction by TBP. **Gcn5p** that shows histoneacetylase activity is one of the proteins belonging to the above-mentioned Ada protein group and it is composed of 439 amino acid residues with molecular mass of 51 kDa in the case of budding yeast.

Data Link SGD [GCN5/YGR252W](https://www.yeastgenome.org/locus/GCN5/YGR252W) [uniprot/Q03330](https://www.uniprot.org/entry/Q03330) *S.cerevisiae* Gcn5

References: This antibody has not been referenced in publication.

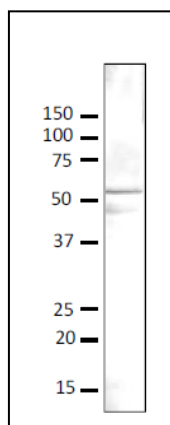


Figure. Detection of Gcn5 protein in crude lysate of *S. cerevisiae* strain BY4741 by western blotting with anti-Gcn5 antibody.

Anti-Gcn5 antibody was used at 1/500 dilution and 2nd antibody, goat anti-rabbit IgG antibody conjugated with HRP, was used at 1/5,000 dilution. Signal enhancer, “CanGet Sigbna!” (Toyobo, Osaka), was used. Numbers on the left are positions of protein bands in kDa. Molecular mass of Gcn5 is 51 kDa.