



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

Key words: Gcn5, Ada4, SWI9, Transcription, Transcription regulation, Nucleus, Bromodomain, Activator, Acyltransferase, Chromatin regulator, RNA polymerase II, Ada2/Gcn5/Ada3 transcription activator complex

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 45 in the case of budding yeast.

Applications: Western blotting

Not tested for other applications.

Immunogen: Recombinant Gcn5 protein (N-terminal1-300 amino acids)

Form: Whole rabbit antiserum added with 0.1% sodium azide

Size: 50 ul

Storage: Sent at 4 °C, and upon arrival, spin-down and store at -20°C

Data Link SGD [GCN5/YGR252W](https://www.yeastgenome.org/locus/GCN5/YGR252W)

[uniprot/Q03330](https://www.uniprot.org/entry/Q03330) *S.cerevisiae* Gcn5

References

1. [Grant PA](#) *et al* "Yeast Gcn5 functions in two multisubunit complexes to acetylate nucleosomal histones: characterization of an Ada complex and the SAGA (Spt/Ada) complex" *Genes Dev* **11**: 1640-1650 (1997) PMID: [9224714](https://pubmed.ncbi.nlm.nih.gov/9224714/)
2. [Syntichaki P](#) *et al* "The Gcn5.Ada complex potentiates the histone acetyltransferase activity of Gcn5" *J Biol Chem* **273**: 24414-24419 (1998) PMID: [9733731](https://pubmed.ncbi.nlm.nih.gov/9733731/)

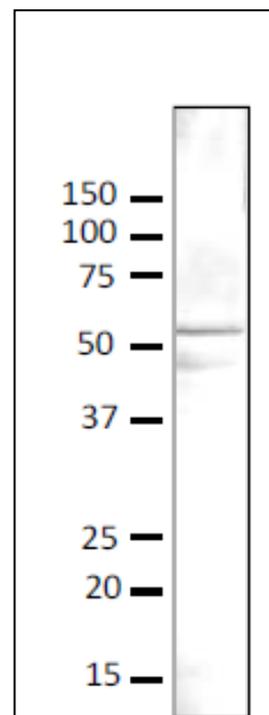


Figure. Detection of Gcn5 protein in crude lysate of *S. cerevisiae* strain BY4741 by western blotting with anti-Gcn5 antibody.

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 Sigbna1" (Toyobo, Osaka), was used. Numbers on the left are positions of protein bands in kDa.