

Anti-Ada3 / Ngg1 (*S. cerevisiae*) antibody, rabbit serum

62-028 100 µl

Shipping and Storage: Shipped at 4°C or -20°C and stored at -20°C for long period.

Immunogen: Recombinant His-tagged Ngg1 protein produced in *E. coli*

Form: Whole antiserum added with 0.1% sodium azide

Reactivity: *S. cerevisiae* Ngg1 protein. Not tested with other species

Applications: Western blotting (1/500-1/1,000). Not tested for other applications.

Background: Ngg1 transcription regulator. Could inhibit GAL4 DNA-binding or its ability to activate transcription. Functions as component of the transcription regulatory histone acetylation (HAT) complexes SAGA, SALSA, SLIK and ADA. SAGA is involved in RNA polymerase II-dependent transcriptional regulation of approximately 10% of yeast genes. At the promoters, SAGA is required for recruitment of the basal transcription machinery. It influences RNA polymerase II transcriptional activity through different activities such as TBP interaction (SPT3, SPT8 and SPT20) and promoter selectivity, interaction with transcription activators (GCN5, ADA2, ADA3 and TRA1), and chromatin modification through histone acetylation (GCN5) and deubiquitination (UBP8). SAGA acetylates nucleosomal histone H3 to some extent (to form H3K9ac, H3K14ac, H3K18ac and H3K23ac). SAGA interacts with DNA via upstream activating sequences (UASs). SALSA, an altered form of SAGA, may be involved in positive transcriptional regulation. SLIK is proposed to have partly overlapping functions with SAGA. It preferentially acetylates methylated histone H3, at least after activation at the GAL1-10 locus. ADA preferentially acetylates nucleosomal histones H3 (at 'Lys-14' and 'Lys-18') and H2B.

NGG1 consists of 702 amino acids with molecular mass of 79,282 Da

Data Link: UniProt [P32494](#) (NGG1_YEAST) , SGD [S000002583](#) NGG1 / YDR176W

Reference: This antibody has not been cited in publication.

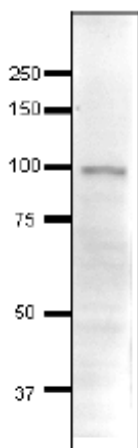


Figure. Detection of endogenous Ngg1 in whole cell extract of *S. cerevisiae* by Western blotting, using the anti-Ngg1 antibody.

The antibody was used at 1/500 dilution.

As second antibody, HRP-conjugated goat anti-rabbit IgG antibody was used at 1/10,000