Anti-Ada2 (*S. cerevisiae*) antibody, rabbit serum

62-027 100 µl Made In Japan

Storage: Shipped at 4℃or -20℃ and stored at -20℃ for long period.

Immunogen: Recombinant His-tagged Ada2 protein (full-length; 1-434 aa) produced in *E. coli*

Form: Whole antiserum added with 0.1% sodium azide

Reactivity: *S. cerevisiae* Ada2 protein. Not tested with other species

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

Background: Ada2 functions as component of the transcription regulatory histoneacetylation (HAT) complexes SAGA, SALSA 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 (to form H3K14ac and H3K18ac) and H2B

Ada2 consists of 434 amino acids with molecular mass of 50,569 Da

Data Link: UniProt Q02336 (ADA2_YEAST), SGD S000001511 TFA1 /YKL028W

Reference: This antibody has not been cited in publication.

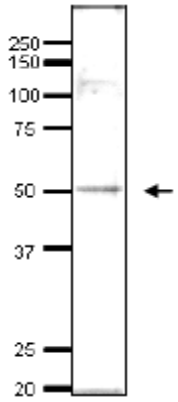

Figure. Detection of endonenous Ada2 in whole cell extract of S. cerevisiae by Western blotting, using the anti-Ada2 antibody.

The antibody was used at 1/500 dilution.

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

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