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

Product code	62-027
Size	100 µl
Storage	Store at 4℃ for short term. For long term storage store at -20℃. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.1% sodium azide
Purity	Rabbit antiserum
Immunogen	Recombinant His-tagged Ada2 protein (full-length; 1-434 aa) produced in *E. coli*
Isotype	Rabbit IgG
Reactivity	*S. cerevisiae* Ada2 protein Not tested with other species.
Special notes	N/A
Application	1. Western blotting (1/500-1/1000) 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	SGDS000002856ADA2 / YDR448W UniProtKB Q02336 (ADA2_YEAST)

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.

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Data Images: 62-027 Anti-Ada2 (*S. cerevisiae*) antibody, rabbit serum

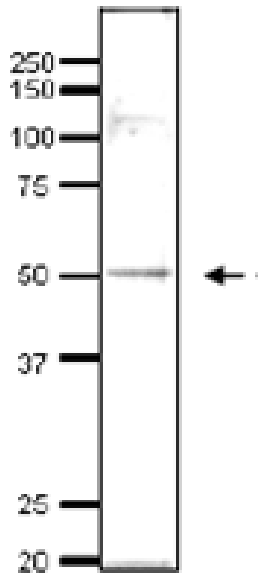

Fig.1 Detection of endonenous Ada2 in whole cell extract of S. cerevisiae by Western blotting, using the anti-Ada2 antibody.

The antibody was used at 1/500 dilution.

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

Reference: This antibody has not been cited in publication.

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