Anti-Med9/Cse2 (*S. cerevisiae*) antibody, rabbit serum

Product code	62-029
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 Med9 protein (1-149 aa) produced in *E. coli*
Isotype	Rabbit IgG
Reactivity	*S. cerevisiae* Med9 protein Not tested with other species.
Special notes	N/A
Application	1. Western blotting (1/500-1/1000) Not tested for other applications
Background	Med9 is a component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. The Mediator complex, having a compact conformation in its free form, is recruited to promoters by direct interactions with regulatory proteins and serves for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. The Mediator complex unfolds to an extended conformation and partially surrounds RNA polymerase II, specifically interacting with the unphosphorylated form of the C-terminal domain (CTD) of RNA polymerase II. The Mediator complex dissociates from the RNA polymerase II holoenzyme and stays at the promoter when transcriptional elongation begins. Med9 consists of 149 amino acids with molecular mass of 17,376 Da
Data Link	SGD S000005293 CSE2 / YNR010W UniProtKB P33308 (MED9_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: 62-029 Anti-Med9/Cse2 (*S. cerevisiae*) antibody, rabbit serum

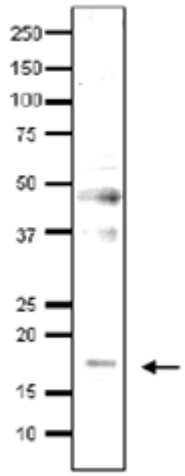

Fig.1 Detection of endonenous Med9 in whole cell extract of S. cerevisiae by Western blotting, using the anti-Med9 antibody.

The antibody was used at 1/500 dilution.

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

Reference: This antibody was described and used in the following publication.

1. Takahashi H. et al. Saccharomyces cerevisiae Med9 comprises two functionally distinct domains that play different roles in transcriptional regulation. Genes Cells. 2009 Jan;14(1):53-67. doi: 10.1111/j.1365-2443.2008.01250.x.

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