Anti-Tfa1 / TF II Ea (*S. cerevisiae*) antibody, rabbit serum

Product code	62-026
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 Tfa1 protein (1-482 aa) produced in *E. coli*
Isotype	Rabbit IgG
Reactivity	*S. cerevisiae* Tfa1 protein Not tested with other species.
Special notes	N/A
Application	1. Western blotting (1/2000) Not tested for other applications
Background	Tfa1 recruits TFIIH to the initiation complex and stimulates the RNA polymerase II C-terminal domain kinase and DNA-dependent ATPase activities of TFIIH. Both TFIIH and TFIIE are required for promoter clearance by RNA polymerase Tfa1 consists of 482 amino acids with molecular mass of 54,742 Da
Data Link	SGDS000001511 TFA1 / YKL028W UniProtKB P36100 (T2EA_YEAST)

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Data Images: 62-026 Anti-Tfa1 / TF II Ea (*S. cerevisiae*) antibody, rabbit serum

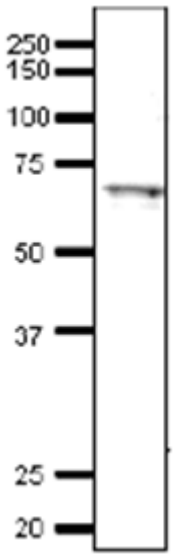

Fig.1 Detection of endonenous Tfa1 in whole cell extract of S. cerevisiae by Western blotting, using the anti-Tfa1 antibody.

The antibody was used at 1/2,000 dilution.

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

The apparent molecular mass (~65 kDa) is larger than calculated mass of 55 kDa, which may be due to its highly acidic cluster at C-terminal 106 amino-acids (Asp/Glu rich).

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. **WB**

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