

Anti-Tfa1 / TFIIEa (*S. cerevisiae*) antibody, rabbit serum

62-026 100 µl

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

Immunogen: Recombinant His-tagged Tfa1 protein (1-482 aa) produced in *E. coli*

Form: Whole antiserum added with 0.1% sodium azide

Reactivity: *S. cerevisiae* Tfa1 protein. Not tested with other species

Applications: Western blotting (1/2,000). Not tested for other applications.

Background: Tfa1 recruits TFIIF to the initiation complex and stimulates the RNA polymerase II C-terminal domain kinase and DNA-dependent ATPase activities of TFIIF. Both TFIIF and TFIIE are required for promoter clearance by RNA polymerase II. Tfa1 consists of 482 amino acids with molecular mass of 54,742 Da

Data Link: UniProt [P36100](#) (T2EA_YEAST), SGD [S000001511](#) TFA1 / YKL028W

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

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**

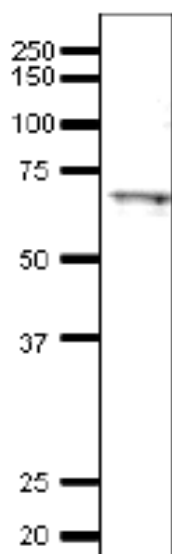


Figure. Detection of endogenous Tfa1 in whole cell extract of *S. cerevisiae* by Western blotting, using the anti-Tfa1 antibody.

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).