

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

Cat.#62-026, Size100 ul

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.

Specifications:

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

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

Form: Whole antiserum added with 0.1% sodium azide

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

Applications:

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

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

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**

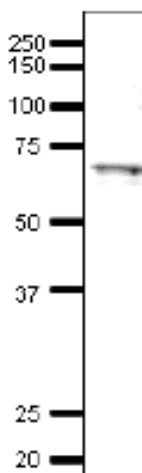


Figure. Detection of endogenous Tfa1 in whole cell extract of *S. cerevisiae* by Western blotting, using the anti-Tfa1 antibody.

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).