

Anti-Tem1 (*S.cerevisiae*) antibody, rabbit polyclonal

62-215 100 µl

Shipping and Storage: Shipped at 4°C or -20°C and stored at -20°C

Immunogen: GST-full length Tem1 fusion protein expressed in *E. coli*

Form: Affinity purified IgG (unknown concentration) in PBS-, 1 mg/ml BSA as carrier, 0.09 % sodium azide, 50% glycerol

Purity: Rabbit polyclonal antibody affinity purified with the immunogen after adsorption of anti-GST antibody with GST—affinity column.

Applications:

- 1) Western blotting (1/250~1/500)
- 2) Immunoprecipitation

Background: Tem1 is a low-molecular-weight GTP-binding protein (GTPase) which is required for the termination of M phase in cell division. The defect of **Tem1** was lethal, and the **Tem1**-defective cells were arrested at telophase with high H1-kinase activity, indicating that **Tem1** is required to exit from M phase. The defect of **Tem1** was suppressed by a high dose of *cdc15*, which encodes a protein kinase. **Tem1** functions upstream of *cdc15* kinase and may be required to activate the *cdc15* protein kinase pathway. A cascade consisting of **Tem1** and kinases act to terminate mitosis.

Reactivity: *S. cerevisiae* Tem1, not tested with other species

Data Link SGD [TEM1/YML064C](https://www.yeastgenome.org/locus/TEM1/YML064C)

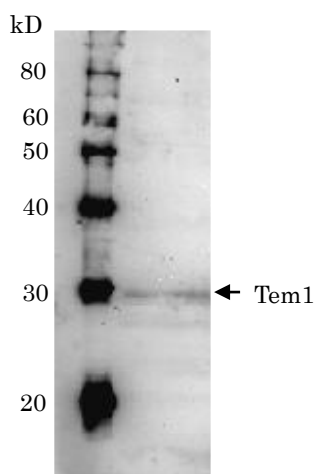


Fig.1 Detection of Tem1 (28kD) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.