Anti-Tem1 (*S.cerevisiae*) antibody, affinity purified

62-215　100 ul

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.

Applications:

1) Western blotting (1/250~1/500)

2) Immunoprecipitation

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

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

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

Storage: Shipped at 4℃ and stored at -20℃

Data Link SGD TEM1/YML064C

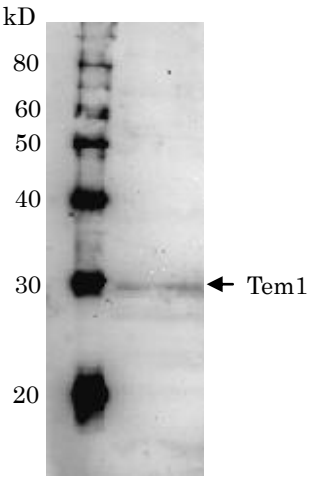

Fig.1 Detection of Tem1 (28kD) in the crude extract of *S. cerevisiae* by Western blotting using this antibody.

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