Anti-Cdk1 / Cdc2 (Xenopus) antibody, rabbit polyclonal

69-003　100 µg

Storage : Shipped at 4°C and store at -20℃

Reactivity: Xenopus, human

Applications

1) Western blotting (1/200-1/500 dilution)

2) Immunoprecipitation (1/100 dilution)

Immunogen: Synthetic peptide corresponding to C-terminal region of Xenopus Cdk1 protein (C-KSSLPDNQIRN) conjugated with KLH

Purity: Purified IgG

Form: 2.0 mg/ml in 1 x PBS and 50% glycerol

Background: Cdk1(cyclin-dependent kinase1) plays a key role in the control of the eukaryotic cell cycle. It is required in higher cells for entry into S-phase and mitosis. Component of the kinase complex that phosphorylates the repetitive C-terminus of RNA polymerase II. Phosphorylation at Thr-14 or Tyr-15 inactivates the enzyme, while phosphorylation at Thr-161 activates it. Molecular mass is 34,506

Data Link: UniProtKB P35567 (CDK1A_XENLA)

Reference: This antibody was described in Ref.1 and used in Ref 1 and 2.

1.Masuda H and Shibata T. Role of gamma-tubulin in mitosis-specific microtubule nucleation from the Schizosaccharomyces pombe spindle pole body. J Cell Sci. 1996 Jan;109 (Pt 1):165-77. **WB, IP**

2.Kimura K et al. Phosphorylation and activation of 13S condensin by Cdc2 in vitro. Science. 1998 Oct 16;282(5388):487-90. **WB**

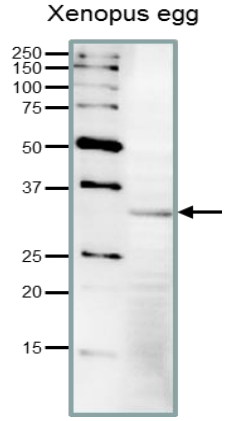

Figure. Detection of endogenous Cdk1 in Xenopus egg extract by Western blot.

Extract (30 µg) of Xenopus laevis eggs was used for western blot analysis and the antibody was used at 1/200 dilution. The molecular mass is 34.5 kDa

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