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**Anti-p55CDC**

Cat #: HM1269  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

p55CDC is a cell cycle-dependent protein kinase that exhibits a high degree of homology with the *S. cerevisiae* proteins Cdc20 and Cdc4. It is expressed in a variety of cultured cell lines in growth phase, but is down regulated when cell growth is chemically arrested. p55 CDC shows kinase activity towards  $\alpha$ -casein and myelin basic protein. p55CDC appears to be a regulatory protein interacting with several other proteins at multiple points in the cell cycle. It is required for two microtubule-dependent processes, nuclear movement prior to anaphase and chromosome separation.

**SPECIFICITY**

This antibody specifically reacts with p55CDC of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

**IMMUNOGEN**

A recombinant protein corresponding to the full length human p55 CDC.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

1. Weinstein, J., Jacobsen, F.W., Hsu-Chen, J., Wu, T., and Baum, L.G. 1994. A novel mammalian protein, p55CDC, present in dividing cells, is associated with protein kinase activity and has homology to the *Saccharomyces cerevisiae* cell division cycle proteins Cdc20 and Cdc4. *Mol. Cell. Biol.* 14: 3350-3363.
2. Weinstein, J. 1997. Cell cycle-regulated expression, phosphorylation, and degradation of p55Cdc. A mammalian homolog of CDC20/Fizzy/slp1. *J. Biol. Chem.* 272, 28501-28511.
3. Asadi, A., Jorgensen, J. and Jacobsson, A. 2002. Elov11 and p55Cdc genes are localized in a tail-to-tail array and are co-expressed in proliferating cells. *J. Biol. Chem.* 277, 18494-18500.

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