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| <b>Product name:</b>     | CDK1 Rabbit Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cat number:</b>       | AB-81837                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Size:</b>             | 100µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clone:</b>            | POLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen:</b>        | Recombinant protein corresponding to Mouse CDK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications:</b>     | Western Blot: 1: 500-1: 2000 Immunohistochemistry: 1: 200-1: 800<br>Immunofluorescence: 1: 200-1: 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Weight:</b> | 34 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purification:</b>     | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer:</b>           | PBS with 0.02% sodium azide, 100 µg/mL BSA and 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage:</b>          | Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Background:</b>       | Cyclin-dependent kinase 1 also known as CDK1 or cell division cycle protein 2 homolog is a highly conserved protein that functions as a serine/threonine kinase, and is a key player in cell cycle regulation. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. |

