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| <b>Product name:</b>     | CDK4 Rabbit Monoclonal Antibody                                                                                                                                                                                                                                                                                                 |
| <b>Cat number:</b>       | MABN85418                                                                                                                                                                                                                                                                                                                       |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                    |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                                                           |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                          |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen:</b>        | A synthetic peptide of human Cdk4                                                                                                                                                                                                                                                                                               |
| <b>Reactivity:</b>       | Human, Mouse                                                                                                                                                                                                                                                                                                                    |
| <b>Applications:</b>     | WB 1:500-1:1000, ICC 1:50-1:200, IP 1:10-1:20                                                                                                                                                                                                                                                                                   |
| <b>Molecular Weight:</b> | Calculated MW: 34 kDa; Observed MW: 34 kDa                                                                                                                                                                                                                                                                                      |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                           |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer:</b>           | Purified antibody in TBS with 0.05% sodium azide, 0.05% BSA and 50% glycerol.                                                                                                                                                                                                                                                   |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                    |
| <b>Background:</b>       | Cyclin-dependent kinase activity is regulated by T-loop phosphorylation (Thr172 in the case of CDK4), by the abundance of their cyclin partners, and by association with CDK inhibitors of the Cip/Kip or INK family of proteins. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals. |