

# Product Datasheet

## **CDC2/CDK1 Antibody (POH-1; same as cdc2.1) [PerCP] NBP2-34711PCP**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34711PCP**

CDC2/CDK1 Antibody (POH-1; same as cdc2.1) [PerCP]

| Product Information     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size               | 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage                 | Store at 4C in the dark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality               | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clone                   | POH-1; same as cdc2.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Preservative            | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype                 | IgG2a Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Conjugate               | PerCP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity                  | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Buffer                  | PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene ID                 | 983                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Symbol             | CDK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species                 | Human, Bovine, Mink, Monkey, Drosophila (Negative), Mouse (Negative), Rat (Negative), Xenopus (Negative)                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity Notes        | Does not react with Mouse, Rat, Xenopus, drosophila, S. pombe or S. cerevisiae.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity | Recognizes a 34kDa protein, which is identified as cyclin dependent kinase 1 (cdk1) or p34cdc2 protein kinase. cdk1 / p34cdc2 plays a crucial role during cell division and is most active during mitosis. It is predominantly localized in the nucleus. It is a serine/threonine kinase, which is activated by cyclin, presumably by de-phosphorylation of tyrosine residues. Activated cdk1 / p34cdc2 performs specific functions during mitosis, including nuclear envelope breakdown and chromosome condensation. |
| Immunogen               | Recombinant full-length human p34cdc2 protein (Uniprot: P06493)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Notes                   | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.                                                                                                                                                                                                                                                                                                                                 |



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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