

# Product Datasheet

## **CDC2/CDK1 Antibody (POH-1; same as cdc2.1) [Alexa Fluor® 594]** **NBP2-34711AF594**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34711AF594**

CDC2/CDK1 Antibody (POH-1; same as cdc2.1) [Alexa Fluor® 594]

| <b>Product Information</b>     |   |
|--------------------------------|---|
| <b>Unit Size</b>               | 0.1 ml  |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                 | Store at 4C in the dark.  |
| <b>Clonality</b>               | Monoclonal  |
| <b>Clone</b>                   | POH-1; same as cdc2.1   |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG2a Kappa   |
| <b>Conjugate</b>               | Alexa Fluor 594   |
| <b>Purity</b>                  | Protein A or G purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate  |
| <b>Product Description</b>     |   |
| <b>Host</b>                    | Mouse   |
| <b>Gene ID</b>                 | 983   |
| <b>Gene Symbol</b>             | CDK1  |
| <b>Species</b>                 | Human, Bovine, Mink, Monkey, Drosophila (Negative), Mouse (Negative), Rat (Negative), Xenopus (Negative)  |
| <b>Reactivity Notes</b>        | Does not react with Mouse, Rat, Xenopus, drosophila, S. pombe or S. cerevisiae.   |
| <b>Specificity/Sensitivity</b> | 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. |
| <b>Immunogen</b>               | Recombinant full-length human p34cdc2 protein (Uniprot: P06493)   |



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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| <b>Recommended Dilutions</b>       | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.         |



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### **Products Related to NBP2-34711AF594**

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|                  |   |
|------------------|---|
| NBP1-96981AF594  | Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 594] |
| NBP2-52017-0.1mg | Recombinant Human CDC2/CDK1 His Protein                     |
| NBP2-75169       | Human CDC2/CDK1 ELISA Kit (Colorimetric)                    |
| NB500-106        | PCNA Antibody (PC10)  |

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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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