

# Product Datasheet

## CDC2/CDK1 Antibody (CDK1/873) - Azide and BSA Free NBP3-11507

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-11507**

CDC2/CDK1 Antibody (CDK1/873) - Azide and BSA Free

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 mg  |
| <b>Concentration</b>               | 1 mg/ml   |
| <b>Storage</b>                     | Store at -20 to -80C. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | CDK1/873  |
| <b>Preservative</b>                | No Preservative   |
| <b>Isotype</b>                     | IgG2a Kappa   |
| <b>Purity</b>                      | Protein A or G purified   |
| <b>Buffer</b>                      | 10 mM PBS   |
| <b>Target Molecular Weight</b>     | 34 kDa  |
| <b>Product Description</b>         |   |
| <b>Description</b>                 | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44915).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.   |
| <b>Host</b>                        | Mouse   |
| <b>Gene ID</b>                     | 983   |
| <b>Gene Symbol</b>                 | CDK1  |
| <b>Species</b>                     | Human, Bovine, Mink, Monkey, S. pombe (Negative), Drosophila (Negative), Mouse (Negative), Rat (Negative), Xenopus (Negative), Yeast (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 human full-length CDC2/CDK1 protein. (Uniprot: P06493)  |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b>       | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin 2 - 4 ug/ml   |
| <b>Application Notes</b>           | Immunohistochemistry (Formalin-fixed): 2-4ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.   |



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### **Products Related to NBP3-11507**

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|                   |   |
|-------------------|---|
| HAF007            | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B           | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96981-0.5mg  | Mouse IgG2a Kappa Isotype Control (M2AK)                |
| NBP2-51886-0.05mg | Recombinant Human CDC2/CDK1 His Protein                 |

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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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