

# Product Datasheet

## CDC2/CDK1 Antibody (CDK1/873) [Alexa Fluor® 488] NBP3-11507AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11507AF488**

CDC2/CDK1 Antibody (CDK1/873) [Alexa Fluor® 488]

| <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>                   | CDK1/873  |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG2a Kappa   |
| <b>Conjugate</b>               | Alexa Fluor 488   |
| <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, <i>S. pombe</i> (Negative), <i>Drosophila</i> (Negative), Mouse (Negative), Rat (Negative), <i>Xenopus</i> (Negative), Yeast (Negative)  |
| <b>Reactivity Notes</b>        | Does not react with Mouse, Rat, <i>Xenopus</i> , <i>drosophila</i> , <i>S. pombe</i> or <i>S. cerevisiae</i> .  |
| <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)  |



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| <b>Notes</b> | <p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a>. 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.</p> |
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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin      |
| <b>Recommended Dilutions</b>       | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin      |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-11507AF488**

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|                   |   |
|-------------------|---|
| NBP1-96981AF488   | Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 488] |
| NBP2-51886-0.05mg | Recombinant Human CDC2/CDK1 His Protein                     |
| NBL1-08991        | CDC2/CDK1 Overexpression Lysate                             |
| 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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