

# Product Datasheet

## **p21/CIP1/CDKN1A Antibody (CIP1/823 + DCS-60.2) [Alexa Fluor™ Plus 488]** **NBP2-47897AFP488**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47897AFP488**

p21/CIP1/CDKN1A Antibody (CIP1/823 + DCS-60.2) [Alexa Fluor™ Plus 488]

| 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               | CIP1/823 + DCS-60.2   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2a Kappa   |
| Conjugate           | Alexa Fluor Plus 488  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 1026   |
| Gene Symbol             | CDKN1A   |
| Species                 | Human, Mouse (Negative), Rat (Negative)  |
| Reactivity Notes        | Does not react with Mouse or Rat.  |
| Specificity/Sensitivity | This monoclonal antibody recognizes a 21kDa protein, identified as the p21WAF1 tumor suppressor protein. This monoclonal antibody is highly specific to p21 and shows no cross-reaction with other closely related mitotic inhibitors. p21WAF1 is a specific inhibitor of cdks and a tumor suppressor involved in the pathogenesis of a variety of malignancies. The expression of this gene acts as an inhibitor of the cell cycle during G1 phase and is tightly controlled by the tumor suppressor protein p53. Its expression is induced by the wild type, but not mutant, p53 suppressor protein. Normal cells generally display a rather intense nuclear p21 expression. Loss of p21 expression has been reported in many carcinomas (gastric carcinoma, non-small cell lung carcinoma, thyroid carcinoma).  |
| Immunogen               | Recombinant full-length human p21/CIP1/CDKN1A protein (CIP1/823); Human recombinant p21 protein (DCS-60.2) (Uniprot: P38936)   |
| Notes                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not 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, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.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. |

**Product Application Details**

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry      |
| <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 NBP2-47897AFP488**

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|            |   |
|------------|---|
| NBP2-22976 | Recombinant Human p21/CIP1/CDKN1A His Protein |
| DYC1047-2  | p21/CIP1/CDKN1A [Biotin]                      |
| AF835      | Caspase-3 Antibody [Unconjugated] - Active    |
| NB500-106  | PCNA Antibody (PC10) - BSA Free               |

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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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