

# Product Datasheet

## **p27/Kip1 Antibody (KIP1/769) [DyLight 488] NBP2-47769G**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47769G**

p27/Kip1 Antibody (KIP1/769) [DyLight 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               | KIP1/769                                                                                    |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG1 Kappa                                                                                  |
| Conjugate           | DyLight 488                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | 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.                                                                                                                                                                                                                                                                                                           |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene ID                 | 1027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol             | CDKN1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Species                 | Human, Mouse, Rat, Monkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity | This monoclonal antibody recognizes a 27kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. It is highly specific and shows no cross-reaction with other related mitotic inhibitors. p27Kip1 functions as a negative regulator of G1 progression and has been proposed to function as a possible mediator of TGF- induced G1 arrest. p27Kip1 is a candidate tumor suppressor gene. This monoclonal antibody is excellent for staining of formalin-fixed tissues. |
| Immunogen               | Recombinant full-length human p27/Kip1 protein (Uniprot: P46527)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                               |

| Product Application Details |                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Flow (Intracellular), Immunofluorescence, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                                           |





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### **Products Related to NBP2-47769G**

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|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| NBP1-43319G-0.5ml | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 488] |
| NBP1-72503-100ug  | Recombinant Human p27/Kip1 His Protein                      |
| H00001027-T02     | p27/Kip1 293T Cell Transient 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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