

Product Datasheet

p21/CIP1/CDKN1A Antibody (SPM306) [Janelia Fluor® 646] NBP2-47782JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-47782JF646

p21/CIP1/CDKN1A Antibody (SPM306) [Janelia Fluor® 646]

| 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 | SPM306 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG2a Kappa |
| Conjugate | Janelia Fluor 646 |
| 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 | Human recombinant p21/CIP1/CDKN1A protein (Uniprot: P38936) |
| Notes | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus |
| Product Application Details | |
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP2-47782JF646

| | |
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| NBP1-96981JF646 | Mouse IgG2a Kappa Isotype Control (M2AK) [Janelia Fluor 646] |
| NBP2-22976 | Recombinant Human p21/CIP1/CDKN1A His Protein |
| DYC1047-2 | p21/CIP1/CDKN1A [Biotin] |
| AF835 | Caspase-3 Antibody [Unconjugated] - Active |

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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