

# Product Datasheet

## **p21/CIP1/CDKN1A Antibody (DCS-60.2) [Alexa Fluor® 350] NBP2-47781AF350**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47781AF350**

p21/CIP1/CDKN1A Antibody (DCS-60.2) [Alexa Fluor® 350]

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	DCS-60.2
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	Alexa Fluor 350
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 (Uniprot: P38936)

<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, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
<b>Application Notes</b>	Use in Western Blot reported in scientific literature (PMID: 33086074). Optimal dilution of this antibody should be experimentally determined.

<b>Images</b>									
<p>p21/CIP1/CDKN1A Antibody (DCS-60.2) [Alexa Fluor® 350] [NBP2-47781AF350] - Vial of Alexa Fluor 350 conjugated antibody. Alexa Fluor 350 is optimally excited at 346 nm by the UV laser (350 or 355 nm) and has an emission maximum of 442 nm.</p>	 <p>Alexa Fluor® 350</p> <table border="1"> <thead> <tr> <th>LASER (nm)</th><th>FILTER</th></tr> </thead> <tbody> <tr> <td>UV (350)</td><td>450/45</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>EXCITATION MAX (nm)</th><th>EMISSION MAX (nm)</th></tr> </thead> <tbody> <tr> <td>346</td><td>442</td></tr> </tbody> </table>	LASER (nm)	FILTER	UV (350)	450/45	EXCITATION MAX (nm)	EMISSION MAX (nm)	346	442
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**Products Related to NBP2-47781AF350**

NBP1-96981AF350	Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 350]
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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