

# Product Datasheet

## p21/CIP1/CDKN1A Antibody (DCS-60.2) [Alexa Fluor® 488] NBP2-47781AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47781AF488**

p21/CIP1/CDKN1A Antibody (DCS-60.2) [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>	DCS-60.2
<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>	1026
<b>Gene Symbol</b>	CDKN1A
<b>Species</b>	Human, Mouse (Negative), Rat (Negative)
<b>Reactivity Notes</b>	Does not react with Mouse or Rat.
<b>Specificity/Sensitivity</b>	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).
<b>Immunogen</b>	Recombinant full-length human p21/CIP1/CDKN1A protein (Uniprot: P38936)

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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.



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### **Products Related to NBP2-47781AF488**

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NBP1-96981AF488	Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 488]
NBP2-22976	Recombinant Human p21/CIP1/CDKN1A His Protein
DYC1047-2	p21/CIP1/CDKN1A [Biotin]
AF835	Caspase-3 Antibody [Unconjugated] - Active

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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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