

# Product Datasheet

## **p21/CIP1/CDKN1A Antibody (CIP1/2275R) [Alexa Fluor® 488] NBP2-80489AF488**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-80489AF488**

p21/CIP1/CDKN1A Antibody (CIP1/2275R) [Alexa Fluor® 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	CIP1/2275R
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Alexa Fluor 488
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rabbit
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)



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<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<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 NBP2-80489AF488**

NBP2-24982	Rabbit IgG Isotype Control [Alexa Fluor® 488]
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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