

Product Datasheet

p21/CIP1/CDKN1A Antibody (CIP1/4377R) NBP3-07215-100ug

Unit Size: 100 ug

Store at 4C.

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NBP3-07215-100ug

p21/CIP1/CDKN1A Antibody (CIP1/4377R)

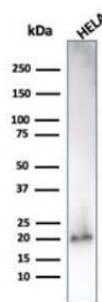
Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	CIP1/4377R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	21 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08961) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Rabbit
Gene ID	1026
Gene Symbol	CDKN1A
Species	Human
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 cdk s 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	Synthetic peptide corresponding to p21/CIP1/CDKN1A residues within aa1-100 of p21/CIP1/CDKN1A was used as an immunogen. (Uniprot: P38936)

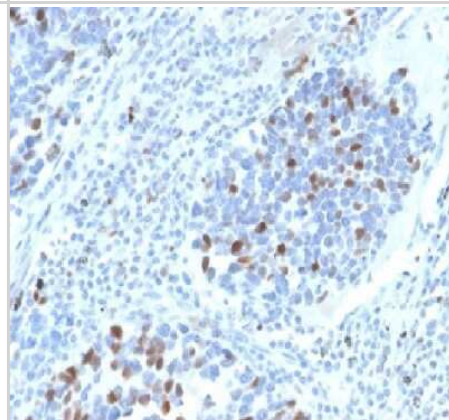
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 2-4 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

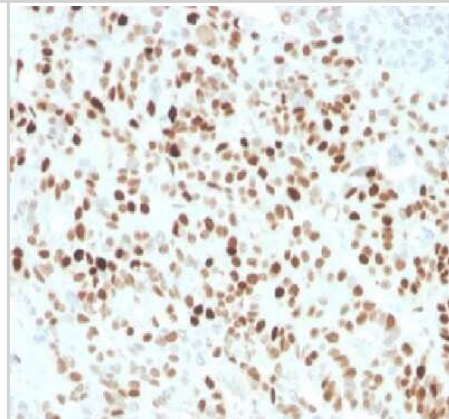
Western Blot: p21/CIP1/CDKN1A Antibody (CIP1/4377R) [NBP3-07215]
 - Western Blot Analysis of HeLa cell lysate using p21/CIP1/CDKN1A antibody (CIP1/4377R).



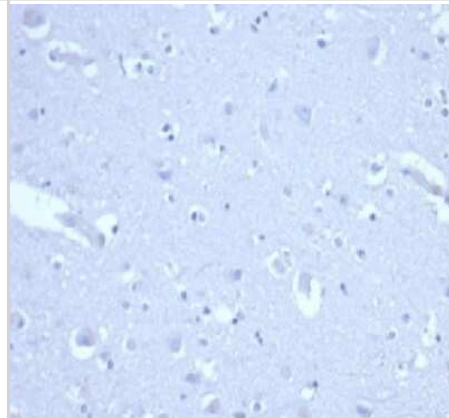
Immunohistochemistry-Paraffin: p21/CIP1/CDKN1A Antibody (CIP1/4377R) [NBP3-07215] - Formalin fixed paraffin embedded human lung carcinoma stained with p21/CIP1/CDKN1A Rabbit Recombinant Monoclonal Antibody (CIP1/4377R).



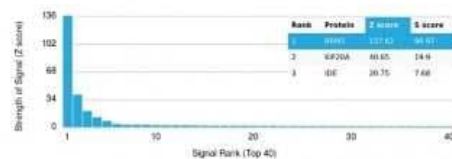
Immunohistochemistry-Paraffin: p21/CIP1/CDKN1A Antibody (CIP1/4377R) [NBP3-07215] - Formalin fixed paraffin embedded human colon carcinoma stained with p21/CIP1/CDKN1A Rabbit Recombinant Monoclonal Antibody (CIP1/4377R).



Immunohistochemistry-Paraffin: p21/CIP1/CDKN1A Antibody (CIP1/4377R) [NBP3-07215] - IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using p21/CIP1/CDKN1A antibody (CIP1/4377R) at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 : HRP-polymer, 30min. DAB, 5min.



Protein Array: p21/CIP1/CDKN1A Antibody (CIP1/4377R) [NBP3-07215]
- Analysis of Protein Array containing more than 19,000 full-length human proteins using p21/CIP1/CDKN1A Antibody (CIP1/4377R).





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Products Related to NBP3-07215-100ug

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-22976	Recombinant Human p21/CIP1/CDKN1A His Protein

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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