

Product Datasheet

p21/CIP1/CDKN1A Antibody (4Z1H9) NBP3-15661-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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NBP3-15661-100ul

p21/CIP1/CDKN1A Antibody (4Z1H9)

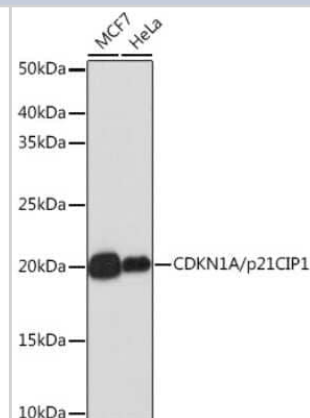
Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4Z1H9
Preservative	0.05% Proclin 300
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 0.05% BSA, 50% glycerol, pH7.3
Target Molecular Weight	18 kDa

Product Description	
Host	Rabbit
Gene ID	1026
Gene Symbol	CDKN1A
Species	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-164 of human p21/CIP1/CDKN1A (NP_000380.1). MSEPAGDVRQNPCGSKACRRLFGPVDSEQLSRDCDALMAGCIQEAREERWNF DFVTETPLEGDFAWERVRGLGLPKLYLPTGPRRGRDELGGRRPGTSPALLQ GTAEEDHVDLSLSCTLVPRSGEQAEGSPGGPGDSQGRKRRQTSMTDFYHSK RRLIFSKRKP

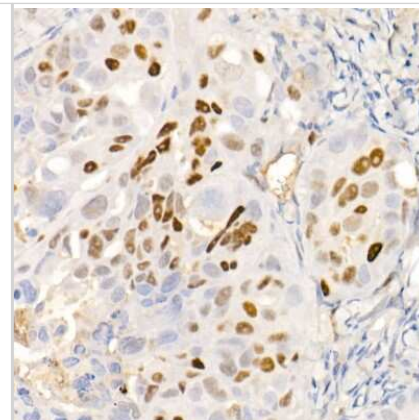
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500 - 1:1000, ELISA, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin, Knockout Validated

Images

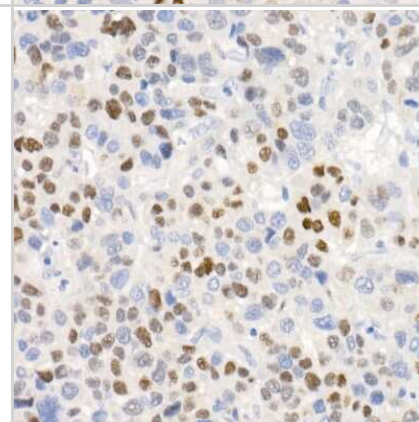
Western Blot: p21/CIP1/CDKN1A Antibody (1L4J1) [NBP3-15661] - Analysis of extracts of various cell lines, using p21/CIP1/CDKN1A antibody (NBP3-15661) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 3min.



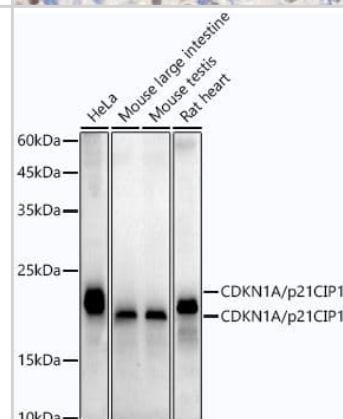
Immunohistochemistry-Paraffin: p21/CIP1/CDKN1A Antibody (1L4J1) [NBP3-15661] - Human colon carcinoma using [KO Validated] p21/CIP1/CDKN1A Rabbit mAb (NBP3-15661) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



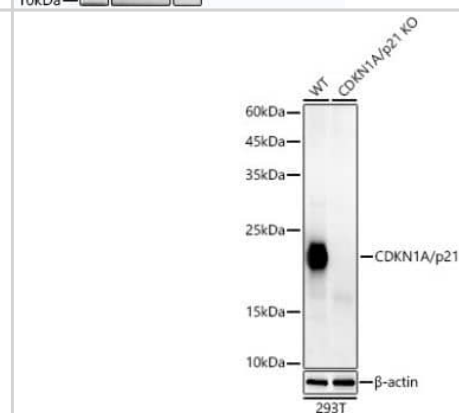
Immunohistochemistry-Paraffin: p21/CIP1/CDKN1A Antibody (1L4J1) [NBP3-15661] - Human liver cancer using [KO Validated] p21/CIP1/CDKN1A Rabbit mAb (NBP3-15661) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Analysis of extracts of various cell lines, using CDKN1A/p21CIP1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit . Exposure time: 90s.



Western Blot: p21/CIP1/CDKN1A Antibody (1L4J1) [NBP3-15661] - analysis of lysates from wild type (WT) and CDKN1A/p21 knockout (KO) 293T cells, using [KO Validated] CDKN1A/p21 Rabbit mAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 90s.



Publications

Robert C H Gresham, Andrea C Filler, Shierly W Fok, Molly Czachor, Natalie Schmier, Claire Pearson, Chelsea Bahney, J Kent Leach Compliant substrates mitigate the senescence associated phenotype of stress induced mesenchymal stromal cells. Journal of biomedical materials research. Part A 2023-12-14 [PMID: 38095311]



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Products Related to NBP3-15661-100ul

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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