

# Product Datasheet

## p19ARF/CDKN2A Antibody (5-C3-1) - Azide and BSA Free NBP2-80897

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80897**

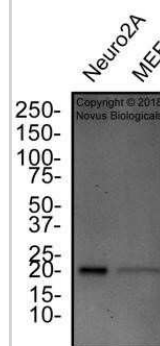
p19ARF/CDKN2A Antibody (5-C3-1) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5-C3-1
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	19 kDa
Product Description	
Host	Rat
Gene ID	12578
Gene Symbol	Cdkn2a
Species	Human, Mouse, Golden Syrian Hamster (Negative)
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 27177758). The antibody does not react with Golden Syrian hamster. Armenian hamster has not been tested.
Immunogen	A synthetic peptide containing amino acids 54-75 of the murine p19ARF/CDKN2A. [UniProt# Q64364]
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready, Knockout Validated
Recommended Dilutions	Western Blot 1:500 - 1:1000, Flow Cytometry 1 ug/ml, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 1:500 - 1:1000, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin reported in scientific literature (PMID 27177758), Immunohistochemistry-Frozen 5 ug/ml, Flow (Intracellular), CyTOF-ready, Knockout Validated
Application Notes	In Western blot a band can be seen at ~19 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

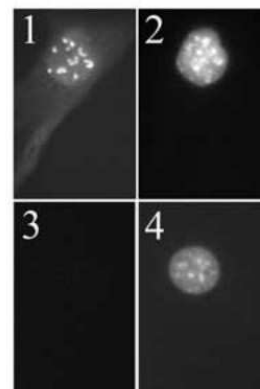


## Images

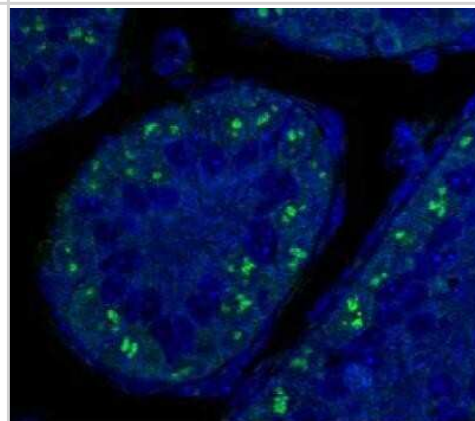
Western Blot: p19ARF/CDKN2A Antibody (5-C3-1) - Azide and BSA Free [NBP2-80897] - Whole cell protein from mouse Neuro2A and MEF cells was separated on a 4-20% gel by SDS-PAGE, transferred to 0.2  $\mu$ m PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0  $\mu$ g/mL anti-p19ARF in block buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.



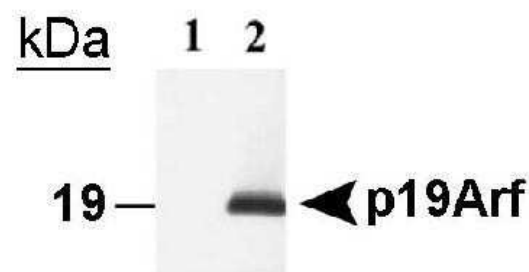
Immunocytochemistry/Immunofluorescence: p19ARF/CDKN2A Antibody (5-C3-1) - Azide and BSA Free [NBP2-80897] - Detection of p19Arf. Wild type mouse embryo fibroblasts (MEF) at passage 5 (panels 1, 2) and NIH3T3 cells, which have deleted the Arf gene (panels 3, 4) were probed with NB200-17. Image from the standard format of this antibody.



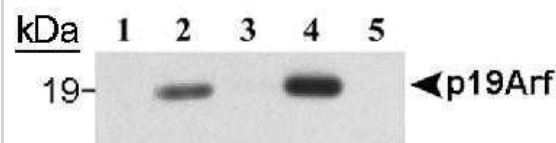
Immunohistochemistry: p19ARF/CDKN2A Antibody (5-C3-1) - Azide and BSA Free [NBP2-80897] - Staining of sections from a wild type mouse testis taken at P11 were probed with NB200-174 (green). Sections were stained with DAPI to reveal the position of cell nuclei (blue). Image from the standard format of this antibody.



Western Blot: p19ARF/CDKN2A Antibody (5-C3-1) - Azide and BSA Free [NBP2-80897] - Analysis of endogenous p19Arf. Total cell lysates (25  $\mu$ g) from NIH3T3 cells, which have deleted the Arf gene (Lanes 1) and from wild type mouse embryo fibroblasts (MEFs) at passage 6, which express p19Arf (Lanes 2), were resolved by SDS-PAGE. Image from the standard format of this antibody.



Western Blot: p19ARF/CDKN2A Antibody (5-C3-1) - Azide and BSA Free [NBP2-80897] - Total cell lysates (250 ug) from NIH3T3 cells which have deleted the Arf gene (Lanes 5) and from NIH3T3 cells expressing an HA-tagged version of p19Arf (lanes 3, 4) were incubated with control rat IgG (Lanes 3), or NB200-174 (lanes 4, 5) and protein G- Sepharose. Precipitated proteins were resolved by SDS-PAGE and analysed by Western blotting using an anti-HA antibody. Unprecipitated total cell lysates (25 ug, equivalent to 10% of immunoprecipitation) from Arf null NIH3T3 cells (Lanes 1) and HA- p19Arf expressing cells (Lanes 2) were also analysed by Western blotting, as input controls. Image from the standard format of this antibody.





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NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
DDXCR03	Rat IgG2b Isotype Control
NB200-106PEP	p19ARF/CDKN2A Antibody Blocking Peptide

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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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