

# Product Datasheet

## Notch-1 Antibody (mN1A) - Azide and BSA Free NBP2-80884

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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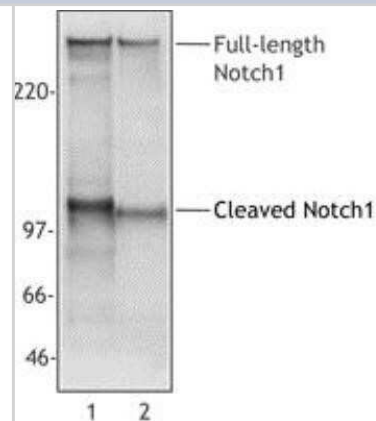
**NBP2-80884**

Notch-1 Antibody (mN1A) - Azide and BSA Free

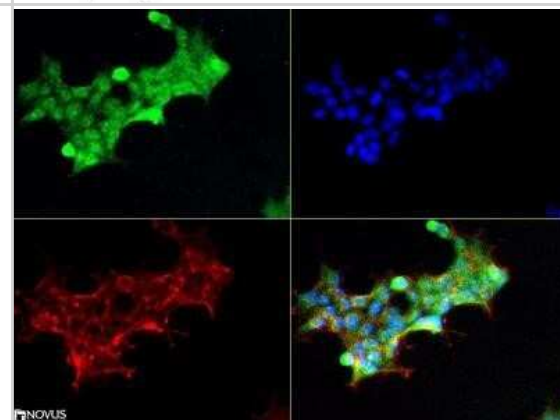
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	mN1A
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	272.505 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Mouse Notch-1 Antibody (mN1A) - Azide and BSA Free (NB100-78486) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	4851
<b>Gene Symbol</b>	NOTCH1
<b>Species</b>	Human, Mouse, Rat (Negative)
<b>Reactivity Notes</b>	Does not recognize rat Notch1.
<b>Immunogen</b>	Mouse Notch1 protein [Uniprot: Q01705]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1 - 2 ug/ml, Flow Cytometry 1 ug per million cells, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:50 - 1:100, Immunoprecipitation 1:10 - 1:100, Immunohistochemistry-Paraffin 1:10 - 1:500, CyTOF-ready, Knockout Validated
<b>Application Notes</b>	The mN1A monoclonal antibody reacts with the intracellular domain of mouse and human Notch1 and has been reported to have highest affinity for activated intracellular Notch1 and lower affinity for full-length unprocessed/heterodimeric Notch1 forms. This antibody is CyTOF ready.

## Images

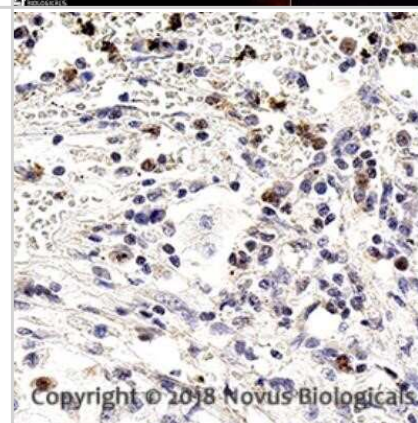
**Western Blot: Notch-1 Antibody (mN1A) - Azide and BSA Free [NBP2-80884]** - Cell extracts from Jurkat (Lane 1) or mouse thymocytes (Lane 2) were analyzed with monoclonal anti-NOTCH1 antibody. The mN1A antibody recognizes both mouse and human 270 kDa full-length NOTCH1 and 110-120 kDa cleaved NOTCH 1 (NICD). Image from the standard format of this antibody.



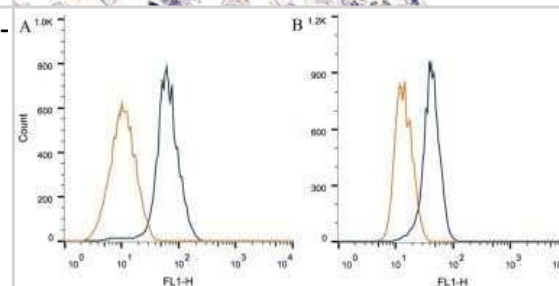
**Immunocytochemistry/Immunofluorescence: Notch-1 Antibody (mN1A) - Azide and BSA Free [NBP2-80884]** - The Notch1 Antibody was tested in HEK293 cells at a 1:50 dilution with DyLight 488 (Green). Actin was counterstained with Phalloidin 568 (Red) and cells were mounted in DAPI Fluoromount (Blue). Image from the standard format of this antibody.



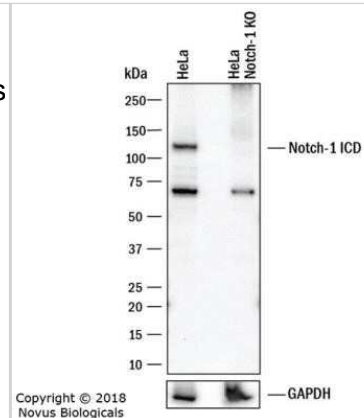
**Immunohistochemistry: Notch-1 Antibody (mN1A) - Azide and BSA Free [NBP2-80884]** - Analysis of FFPE human pancreatic cancer using 1:10 dilution of Notch-1 antibody on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous p



**Flow Cytometry: Notch-1 Antibody (mN1A) - Azide and BSA Free [NBP2-80884]** - Intracellular flow cytometric staining of  $1 \times 10^6$  CHO (A) and MCF-7 (B) cells using Notch1 antibody (dark blue). Isotype control shown in orange. An antibody concentration of  $1 \mu\text{g}/1 \times 10^6$  cells was used. Image from the standard format of this antibody.



Western Blot: Notch-1 Antibody (mN1A) - Azide and BSA Free [NBP2-80884] - Lysates of HeLa human cervical epithelial carcinoma parental cell line and Notch-1 knockout (KO) HeLa cell line. PVDF membrane was probed with 2.0 ug/mL of Mouse Anti-Human Notch-1 Monoclonal Antibody (Catalog # NB100-78486) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog #HAF018). Specific band was detected for Notch-1 at approximately 110 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions. Image from the standard format of this antibody.





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### **Products Related to NBP2-80884**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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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