

# Product Datasheet

## Prox1 Antibody (5G10) - Azide and BSA Free NBP2-80920

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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**NBP2-80920**

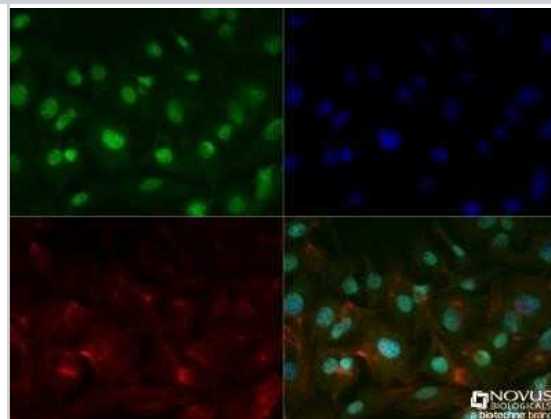
Prox1 Antibody (5G10) - Azide and BSA Free

<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>	5G10
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Prox1 Antibody (5G10) - Azide and BSA Free (NBP1-30045) is a monoclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	5629
<b>Gene Symbol</b>	PROX1
<b>Species</b>	Human, Mouse, Rat, Chicken
<b>Reactivity Notes</b>	It is expected to work with all vertebrates including mammals, birds and fish. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Immunogen</b>	The highly conserved Homeo and Prospero domain of human Prox1. [UniProt# Q92786]
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, CyTOF-ready, Immunohistochemistry Whole-Mount
<b>Recommended Dilutions</b>	Flow Cytometry, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry Whole-Mount reported in scientific literature (PMID 24654984), CyTOF-ready
<b>Application Notes</b>	This antibody is CyTOF ready.

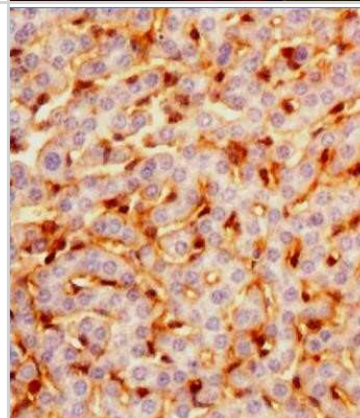


## Images

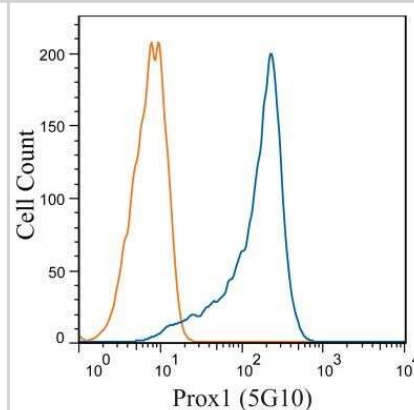
Immunocytochemistry/Immunofluorescence: Prox1 Antibody (5G10) - Azide and BSA Free [NBP2-80920] - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-PROX1 (5G10) NBP1-30045 at a 1:200 dilution overnight at 4C and detected with anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was counterstained with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



Immunohistochemistry: Prox1 Antibody (5G10) - Azide and BSA Free [NBP2-80920] - IHC analysis of a formalin fixed paraffin embedded tissue section of Mouse liver using Lot UD1009o of PROX1 antibody clone 5G10 at 1:100 dilution with HRP-DAB detection and hematoxylin counterstaining. The antibody generated nice nuclear-cytoplasmic stain



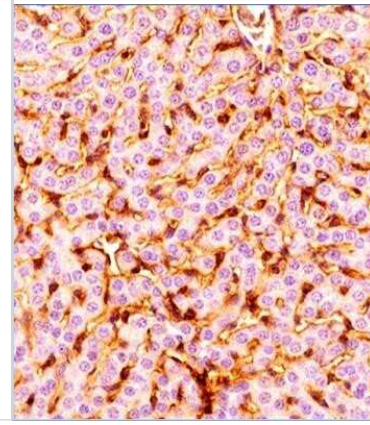
Flow Cytometry: Prox1 Antibody (5G10) - Azide and BSA Free [NBP2-80920] - HepG2 cells were stained with Prox1 (5G10) NBP1-30045 (blue) and a matched isotype control NBP2-27287 (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by Dylight488-conjugated anti-mouse secondary antibody. Image from the standard format of this antibody.



Immunohistochemistry: Prox1 Antibody (5G10) - Azide and BSA Free [NBP2-80920] - Rat dentate gyrus showing specific immunolabeling of the prox1 protein. Photo courtesy of Justin Kievits and Teresa Milner, Weill Cornell Medical College. Image from the standard format of this antibody.



Immunohistochemistry: Prox1 Antibody (5G10) - Azide and BSA Free [NBP2-80920] - IHC analysis of a formalin fixed paraffin embedded tissue section of Mouse liver using Lot A of PROX1 antibody clone 5G10 at 1:100 dilution with HRP-DAB detection and hematoxylin counterstaining. The antibody generated nice nuclear-cytoplasmic staining in





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### Products Related to NBP2-80920

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-55154PEP	Prox1 Recombinant Protein Antigen

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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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