

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

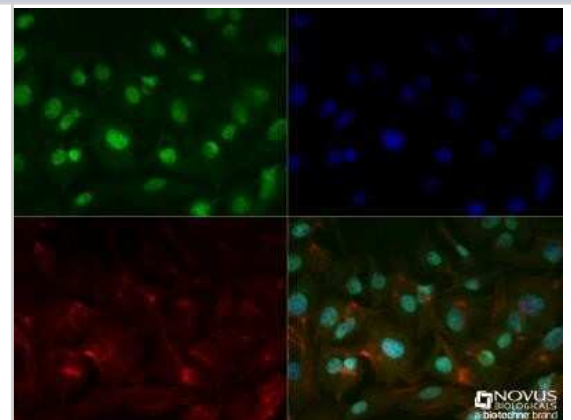
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5G10
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	5629
Gene Symbol	PROX1
Species	Human, Mouse, Rat, Chicken
Reactivity Notes	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.
Immunogen	The highly conserved Homeo and Prospero domain of human Prox1. [UniProt# Q92786]

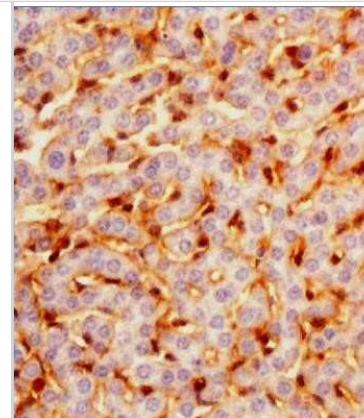
Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunohistochemistry Whole-Mount
Recommended Dilutions	Flow Cytometry, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry Whole-Mount reported in scientific literature (PMID 24654984), CyTOF-ready
Application Notes	This antibody is CyTOF ready.

Images

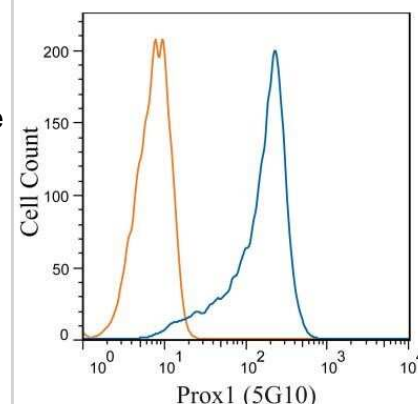
Immunocytochemistry/Immunofluorescence: Prox1 Antibody (5G10) - Azide and BSA Free [NBP2-80920] - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-PROX1 (5G10) NBP1-30045 at a 1:200 dilution 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



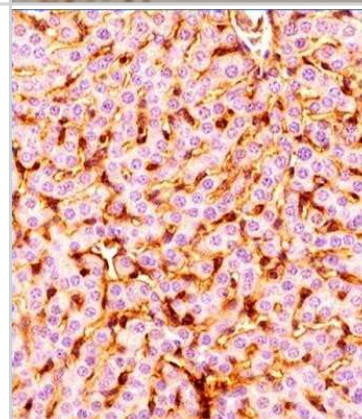
Flow Cytometry: Prox1 Antibody (5G10) - Azide and BSA Free [NBP2-80920] - HepG2 cells were stained with Prox1 (5G10) NBP1-30045 (blue) and a matched isotype control NBP2-27287 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution 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





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-80920

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-55154PEP	Prox1 Recombinant Protein Antigen

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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