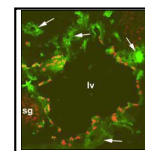


Prospero Homeobox 1 (PROX1) (C-Term) antibody

Antigen:	Prospero Homeobox 1 (PROX1)
Synonyms:	xprox1, prospero, PROX1, LOC100232600, A230003G05Rik, prox1, zgc:111888
Epitope:	C-Term
Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro)), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Catalog no.:	ABIN115695
Quantity:	50 µg
Price:	346.50 \$ (Plus shipping costs \$45.00)
Availability:	Will be delivered in 6 to 8 Business Days (Ships to: North America)

1 Image available



Product Details

Immunogen:	Recombinant Human C-terminal part of the Homeobox Transcription Factor Prox-1 (homeo domain and prospero domain).
Specificity:	This antibody will detect Prox-1 in the nucleus of lymphatic endothelial cells by Immunostaining. This antibody cross reacts with Equine Prox-1 in Immunohistochemistry using Paraffin- Embedded Sections (Figure 2).
Purification:	Antigen-Affinity Chromatography.

Target details

Alternative Name:	PROX-1
Background:	Prox-1 is a homeobox gene and acts as a master switch for lymphatic endothelial phenotype. Expression of Prox-1 in blood endothelial cells induces expression of other lymphatic marker genes. Together with Podoplanin, Prox-1 can be used to reliably distinguish lymphatic vessels from blood vessels. Prox-1 is expressed in CNS, eye, pancreas, liver and heart, and it is one of the most specific and reliable markers for lymphatic endothelial cells. Alternate names: Homeobox prospero-like protein PROX1, PROX1, Prospero homeobox protein 1
Gene ID:	5629
NCBI Accession:	NP_002754
UniProt:	Q92786

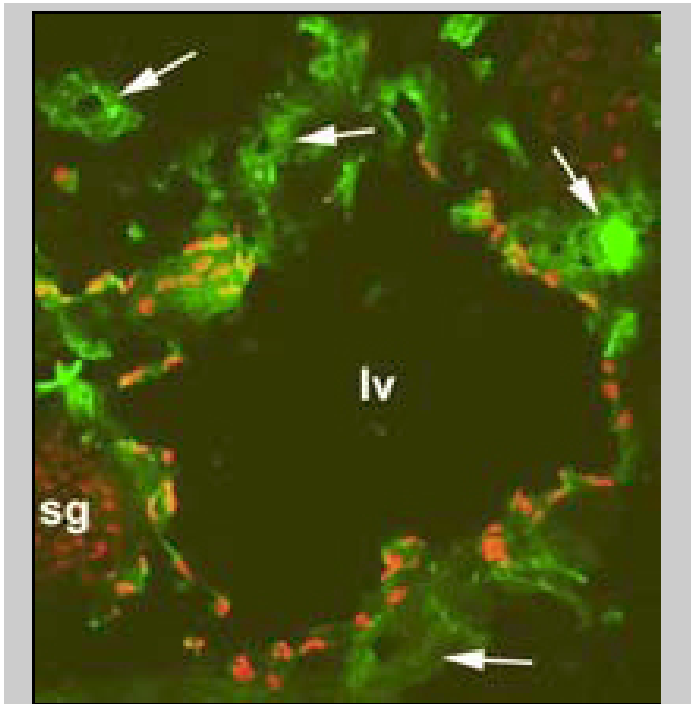
Application Details

Application Notes:	Immunofluorescence: Use 1/750-1/1000 dilution. Western Blotting: Use 1-5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Restore with distilled sterile water to a concentration of > 0.5 mg/mL.
Buffer:	PBS, pH 7.4 without preservatives.
Preservative:	Without preservative
Handling Advice:	Dilute only prior to immediate use
Storage:	4 °C
Storage Comment:	Store the antibody at 2-8°C as an undiluted liquid. DO NOT FREEZE! Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiry Date:	12 months

Images



Immunofluorescence on a frozen section of a mouse embryo at day 13.5 with anti-CD31 [green] and anti-human Prox-1 [red] (#DP3516). It shows a large lymphatic vessel (lv), blood vessels (arrows) and a sympathetic ganglion (sg) which is also positiv for Prox-1 (courtesy of PD. Dr. J. Wilting)

Publications

Glasgow, Tomarev, "Restricted expression of the homeobox gene prox 1 in developing zebrafish.", in: "Mechanisms of development", Vol. 76, Issue 1-2, pp. 175-8, 1998

Krishnan, Kirkin, Steffen et al., "Differential in vivo and in vitro expression of vascular endothelial growth factor (VEGF)-C and VEGF-D in tumors and its relationship to lymphatic metastasis in immunocompetent rats.", in: "Cancer research", Vol. 63, Issue 3, pp. 713-22, 2003

Padera, Kadambi, di Tomaso et al., "Lymphatic metastasis in the absence of functional intratumor lymphatics.", in: "Science (New York, N.Y.)", Vol. 296, Issue 5574, pp. 1883-6, 2002

Rodriguez-Niedenfuehr, Papoutsi, Christ et al., "Prox1 is a marker of ectodermal placodes, endodermal compartments, lymphatic endothelium and lymphangioblasts.", in: "Anatomy and embryology", Vol. 204, Issue 5, pp. 399-406, 2002

Wilting, Papoutsi, Christ et al., "The transcription factor Prox1 is a marker for lymphatic endothelial cells in normal and diseased human tissues.", in: "The FASEB journal : official publication of the Federation of American Societies for Experimental Biology", Vol. 16, Issue 10, pp. 1271-3, 2002

Order form

Please address orders & technical inquiries to:

antibodies-online Inc. Fax +1 888 205 9894
Dunwoody Park 11, Suite 145 Phone +1 404 474 4654
Atlanta, GA 30338 info@antibodies-online.com
USA

Orderer

Salutation (Mr./Ms.)	Title
Name	Institution
Phone	Email

Shipping address

Name recipient	Institution
Street	Postal code
City	Country

Billing address

Name recipient	Institution
Street	Postal code
City	Country
VAT ID	

Your Order

Purchase Order Number (PON) (Optional)

Pos.	Product ID (e.g. ABIN123456)	Name (e.g. SOC2 antibody)	Amount
1.	ABIN115695	anti-Prospero Homeobox 1 (PROX1) (C-Term) antibody	
2.			
3.			

I took note of and accepted the terms and conditions of antibodies-online (<http://www.antibodies-online.com/terms.htm>).

Signature

Place, Date