

Prox1, Mouse Monoclonal Antibody

Catalog Number: P21936

Store at -20°C

Clonality: Monoclonal
Volume: 100 µL

Host/Class: mouse IgG
Reactivity: Prospero-related homeobox 1
Predicted Reactivity: Chicken, Human, Mouse, Rat

Product Description

Prox1 (Prospero-related homeobox 1) is a divergent homeogene that regulates cell proliferation, fate determination, and differentiation during vertebrate embryonic development. The protein is expressed in the developing lens and is also detected in embryonic brain, lung, liver, and kidney. In the adult, it is more abundant in heart and liver than in brain, skeletal muscle, kidney, and pancreas. Prox1 is thought to play a fundamental role in early development of the CNS and may regulate gene expression and development of postmitotic undifferentiated young neurons (Misra et al., 2008)

Product Specifications

Immunogen: Recombinant human Prox1 protein.
Gene ID: 5629
Protein Accession No.: Q92786
Sequence Identity: Human
Clone/PAD: 5G10
Lot: See product label

Product Applications

Application	Dilution
Immunohistochemistry	1:1000

Storage and Handling

Store the antibody at -20°C. **Avoid freeze/thaw cycles.**

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

100 µL in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50% glycerol.



Figure 1 Immunohistochemical staining of rat dentate gyrus showing specific immunolabeling of the prox1 protein. Photo courtesy of Justin Kievits and Teresa Milner, Weill Cornell Medical College.

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Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.














Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Use Label License: Research Use Only

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