invitrogen

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Prox1, Mouse Monoclonal Antibody

Catalog Number: P21936

Clonality:	Monoclonal	Host/Class:	mouse IgG
Volume:	100 µL	Reactivity:	Prospero-related homeobox 1
		Prodicted Reactivity	Chickon Human Mouse Pat

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.

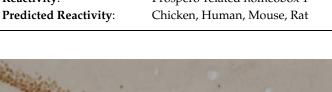




Figure 1 Immunohistochemical staining of rat dentate gyrus showing specific immunolabeling of the prox1 protein. Photo courtesy of Justin Kievits and Teresa Milner, Weill Cornell Medical College.

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Store at -20°C

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			
REF	Catalogue Number		Batch code			
RUO	Research Use Only	IVD	In vitro diagnostic medical device			
\mathbf{X}	Use by	ł	Temperature limitation			
***	Manufacturer	EC REP	European Community authorised representative			
[-]	Without, does not contain	[+]	With, contains			
from Light	Protect from light		Consult accompanying documents			
[]i	Directs the user to consult instructions for use (IFU), accompanying the product.					

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