



## Netrin-1

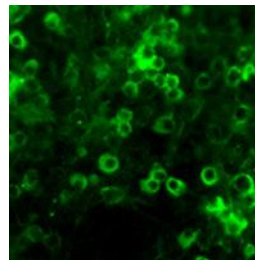
## Data Sheet

<b>Catalog Number:</b>	CH23002	<b>Host:</b>	Chicken
<b>Product Type:</b>	Affinity Purified	<b>Species Reactivity:</b>	Human, Mouse
<b>Immunogen Sequence:</b>	Peptide corresponded to a region of the Netrin 1 gene product shared between the mouse (O09118, NCBI) and human (O95631, NCBI) gene products.	<b>Format:</b>	Liquid PBS (pH 7.2; 10 mM; isotonic 0.9%, w/v) with sodium azide (0.02%, w/v).
<b>Applications:</b>	<b>Immunocytochemistry:</b> 1:100 -1:200 <b>Immunohistochemistry:</b> 1:100 -1:200 <b>Western blot:</b> 1:250 -1:500		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	<b>Store at 4°C in the dark.</b> Under these conditions, the antibody should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze the antibody unless you want to store it for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half its binding activity is lost.		
<b>References:</b>	<p><a href="#">Ganesan Ramesh, Arthur Berg, and Calpurnia Jayakumar. Plasma netrin-1 is a diagnostic biomarker of human cancers. Biomarkers. Author manuscript; available in PMC 2011 July 26. Published in final edited form as: Biomarkers. 2011 March; 16(2): 172–180. Published online 2011 February 8. doi: 10.3109/1354750X.2010.541564.</a></p> <p><a href="#">Amelia Stanco, Charles Szekeres, Nikhil Patel, Sarada Rao, Kenneth Campbell, Jordan A. Kreidberg, Franck Polleux, and E. S. Anton. Netrin-1–3β1 integrin interactions regulate the migration of interneurons through the cortical marginal zone. PNAS, Apr 2009; doi:10.1073/pnas.0811343106</a></p> <p><a href="#">Weiwei Wang, W. Brian Reeves, and Ganesan Ramesh. Netrin-1 increases proliferation and migration of renal proximal tubular epithelial cells via the UNC5B receptor. Am J Physiol Renal Physiol, Feb 2009; doi:10.1152/ajprenal.90686.2008</a></p> <p><a href="#">W. Brian Reeves, Osun Kwon, and Ganesan Ramesh. Netrin-1 is an early biomarker of acute kidney injury. Am J Physiol Renal Physiol (January 30, 2008). doi:10.1152/ajprenal.00507.2007.</a></p>		

### Application Notes

#### Immunohistochemistry and Immunofluorescence

*Image: Dissociated cell cultures of an e13 mouse brain showing Netrin-1 (green staining) in neuronal precursor cells.*



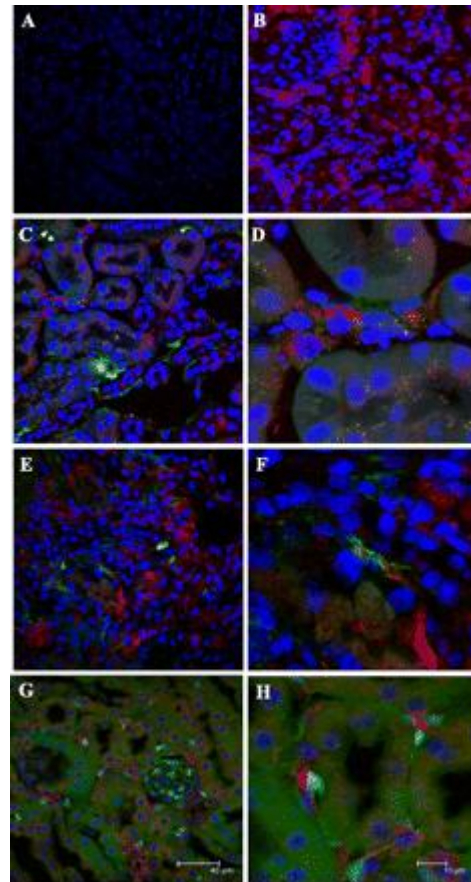
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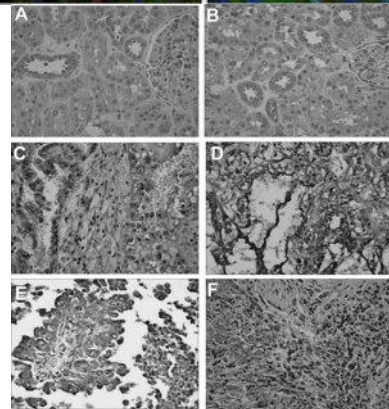
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*Images: Immunohistochemical colocalization of netrin-1 and endothelial markers. Paraformaldehyde-fixed frozen tissue sections were stained with anti-netrin-1 antibody (red stain) and anti-Von Willebrand Factor (VWF) antibody (green stain) as described in MATERIALS AND METHODS. Nuclei were stained blue with DAPI. In sham-operated kidney (B–D), netrin-1 staining was mainly in the interstitium and colocalized with VWF. Similarly, netrin-1 and VWF colocalized in the kidney section from 72 h of reperfusion (E and F). No staining was seen in the primary antibody negative control (A). Colocalization of netrin-1 (red) and GFP (green) in kidney from Tie2-GFP mice was also observed under normal conditions (G and H).*  
doi:10.1152/ajprenal.00508.2007.



*Image: Immunohistochemical localization of netrin-1 in renal cell carcinoma (RCC) tissues. A. Secondary antibody control showing no staining. B. Normal adjacent tissues do not show any staining for netrin-1. C. Stage I RCC shows staining for netrin-1. D. Stage II RCC shows staining for netrin-1. E&F. doi: 10.3109/1354750X.2010.541564*



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