

## ARG52403 anti-Prox 1 antibody [5G10]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [5G10] recognizes Prox 1
Tested Reactivity	Hu, Ms, Rat, Chk
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	5G10
Isotype	IgG1
Target Name	Prox 1
Species	Human
Immunogen	Recombinant human Prox1 protein
Conjugation	Un-conjugated
Alternate Names	Prospero homeobox protein 1; Homeobox prospero-like protein PROX1; PROX-1

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:1000
Application Note	Specifically labels prox1 in formalin-fixed, paraffin-embedded tissue. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein G purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	PROX1
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Gene Full Name	prospero homeobox 1
Background	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; while in adult it is more abundant in heart and liver than in brain, skeletal muscle, kidney and pancreas (Chen et al., 2006). 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)
Highlight	<p>Related Antibody Duos and Panels:</p> <p><a href="#">ARG30093 Hippocampal Neurogenesis Marker Antibody Duo (Prox1, Dcx)</a></p> <p>Related products:</p> <p><a href="#">Prox1 antibodies</a>; <a href="#">Prox1 Duos / Panels</a>; <a href="#">Anti-Mouse IgG secondary antibodies</a>;</p> <p>Related news:</p> <p><a href="#">"Pro-aging factor" tied to immune-related molecule</a></p>
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody; Neuroscience antibody;
Calculated Mw	Hippocampal Neurogenesis Marker antibody; Intermediate Progenitor Cells Marker antibody 83 kDa

## Images

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ARG52403 anti-Prox 1 antibody [5G10] IHC-P image

Immunohistochemistry: Rat dentate gyrus showing specific immunolabeling of the prox1 protein stained with ARG52403 anti-Prox 1 antibody [5G10]

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