

**Anti-Prox1 Antibody**

**Our Anti-Prox1 primary antibody from PhosphoSolutions is mouse monoclonal. It detects chicken, human**  
**Catalog # AN1529**

**Specification**

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**Anti-Prox1 Antibody - Product Information**

Primary Accession	<a href="#">O92786</a>
Reactivity	<b>Bovine, Chicken, Drosophila, C.Elegans</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>83203</b>

**Anti-Prox1 Antibody - Additional Information**

Gene ID **5629**

**Other Names**

Homeobox prospero like protein antibody, Homeobox prospero like protein PROX1 antibody, Homeobox prospero-like protein PROX1 antibody, Prospero homeobox 1 antibody, Prospero homeobox protein 1 antibody, Prospero related homeobox 1 antibody, prospero-related homeobox gene 1 antibody, PROX 1 antibody, PROX-1 antibody, PROX1 antibody, PROX1\_HUMAN antibody, zgc:111888 antibody

**Target/Specificity**

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)

**Format**

Protein G Purified

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Anti-Prox1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

Blue Ice

**Anti-Prox1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-Prox1 Antibody - Images**



Immunostaining of rat dentate gyrus showing specific immunolabeling of the Prox1 protein (DAB, 1:1000). Photo courtesy of Justin Kievits and Teresa Milner, Weill Cornell Medical College.

#### **Anti-Prox1 Antibody - 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)