

Anti-Prox1 Antibody

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

Specification

Anti-Prox1 Antibody - Product Information

Primary Accession	O92786
Reactivity	Bovine, Chicken, Drosophila, C.Elegans
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	83203

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

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